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PERMA REFLECTOR LIGHTING



PITTSBURGH REFLECTOR CO., PITTSBURGH, PA.

CATALOG NUMBER 38
JANUARY FIRST, 1937

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CCA

PERMAFLECTORS...The Silvered Glass

Reflectors with the Permanent Efficiency

Silvered Glass has inherent advantages over all other reflecting surfaces and hence has become the standard for show windows, displays, floodlighting, high bay factory lighting, indirect illumination from fixtures or coves, built-in direct lighting.

Efficiency is Highest. Silver outranks all other metals as a reflector for light, having a reflection factor of 95 per cent. Unprotected silver tarnishes and loses its reflectivity. For this reason it is deposited on glass and protected by the exclusive **Permalector copper plating process.** The glass reduces the reflection somewhat by loss in transmitting the light there-through but the loss is nominal. The reflection factor varies from 85 to 93 per cent depending upon the thickness of the glass. No other reflecting metal fabricated into reflectors approaches the efficiency of silvered glass reflectors.

Efficiency Uniformly the Same. Silver deposited on glass always results in a reflecting surface of brilliant polish. The human element is eliminated and hence all reflectors are alike in this respect. The quality and thickness of the glass are controlled to narrowly defined limits in our own plant by glass blowers who are specialists on silvered glass reflectors. The product runs amazingly uniform in quality year in and year out.

The High Cost of Low Price

Someone has said: "There is hardly anything in this world that some men cannot make a little worse and sell a little cheaper—and people who consider price only are these men's lawful prey!"

Quality products must cost more to buy because they cost more to make. MORE is put into them.

It is these "plus factors" in products or equipment—in the way of better engineering, better materials, better craftsmanship—that give the buyer the most for his money in Service, Satisfaction, Long Life. Quality is the dollar's best friend.

"Cheap" products obviously can sell for less, because less is put into them. "Price" articles are made with a chisel.

People who buy the price-tag rather than the thing, usually get the short end of the deal.

In the long run people get just about what they pay for. They cannot get something for nothing.

Not the Price, but the Thing

Any businessman knows these facts are true of the things he sells. What is true of the things he sells is likewise true of the things he buys.

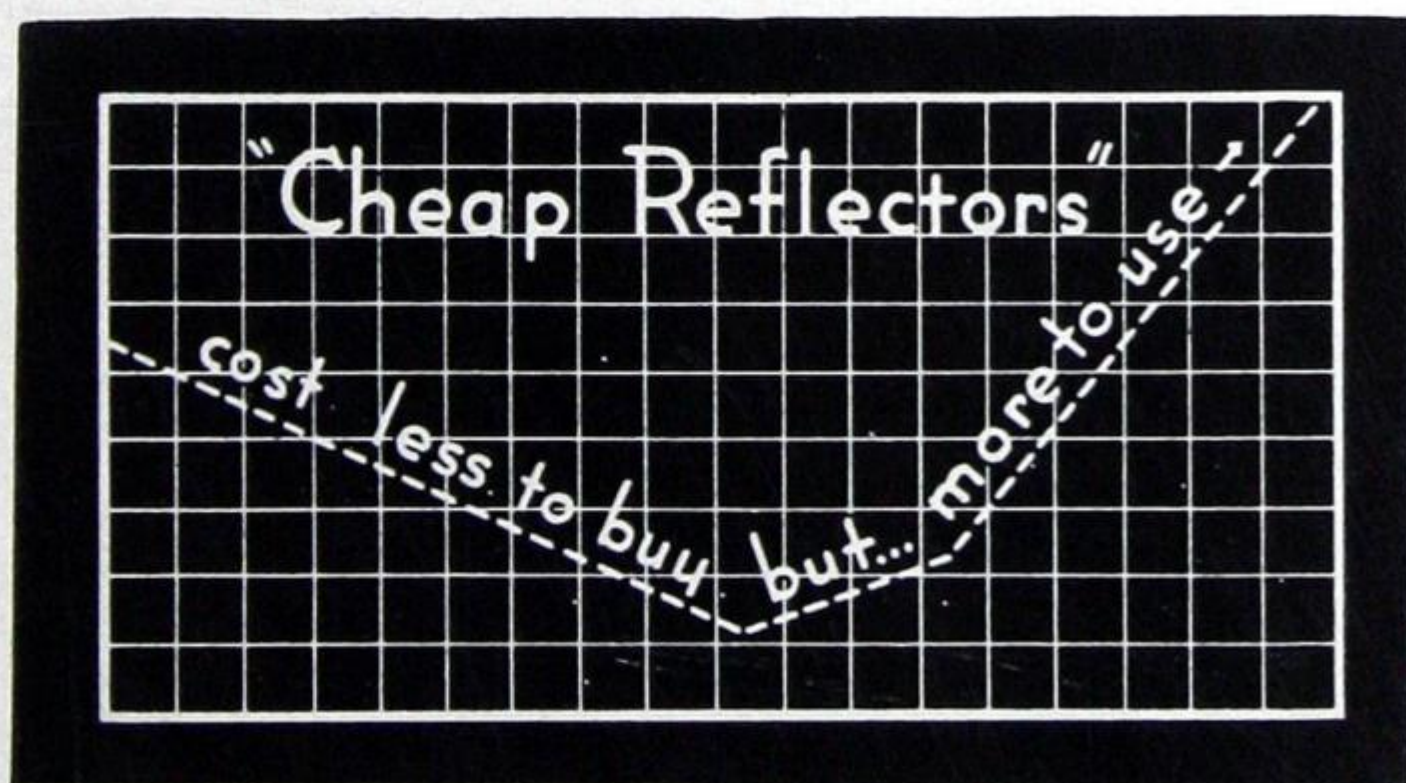
The wise buyer does not buy Price. He does not even buy the thing. He buys **what the thing can do for him.**

You don't buy glasses; you buy better vision.

You don't buy a railroad ticket; you buy transportation.

You don't buy a refrigerator; you buy food preservation.

You don't buy show-window reflectors; you buy "light-conditioning" for your window display.



"Cheap" Reflectors Are Dear at Any Price

There is a difference in reflector efficiency just as there is a difference in automobile efficiency.

In reflectors there is the **cost-to-use** as well as the **cost-to-buy.** Reflectors are not standardized. There are many different kinds in the United States—rating good, fair, poor, and so on. Each has its price. You can pay as little or as much as you like. But—making all allowances for bargain-driving—you'll still get just about what you pay for. You cannot get more out of a reflector, in the way of effective light distribution, continuous

light economy, and year-after-year service, than was originally put there by the maker. When buying reflectors the most important consideration is not the price, but the service.

What Good Are Poor Reflectors?

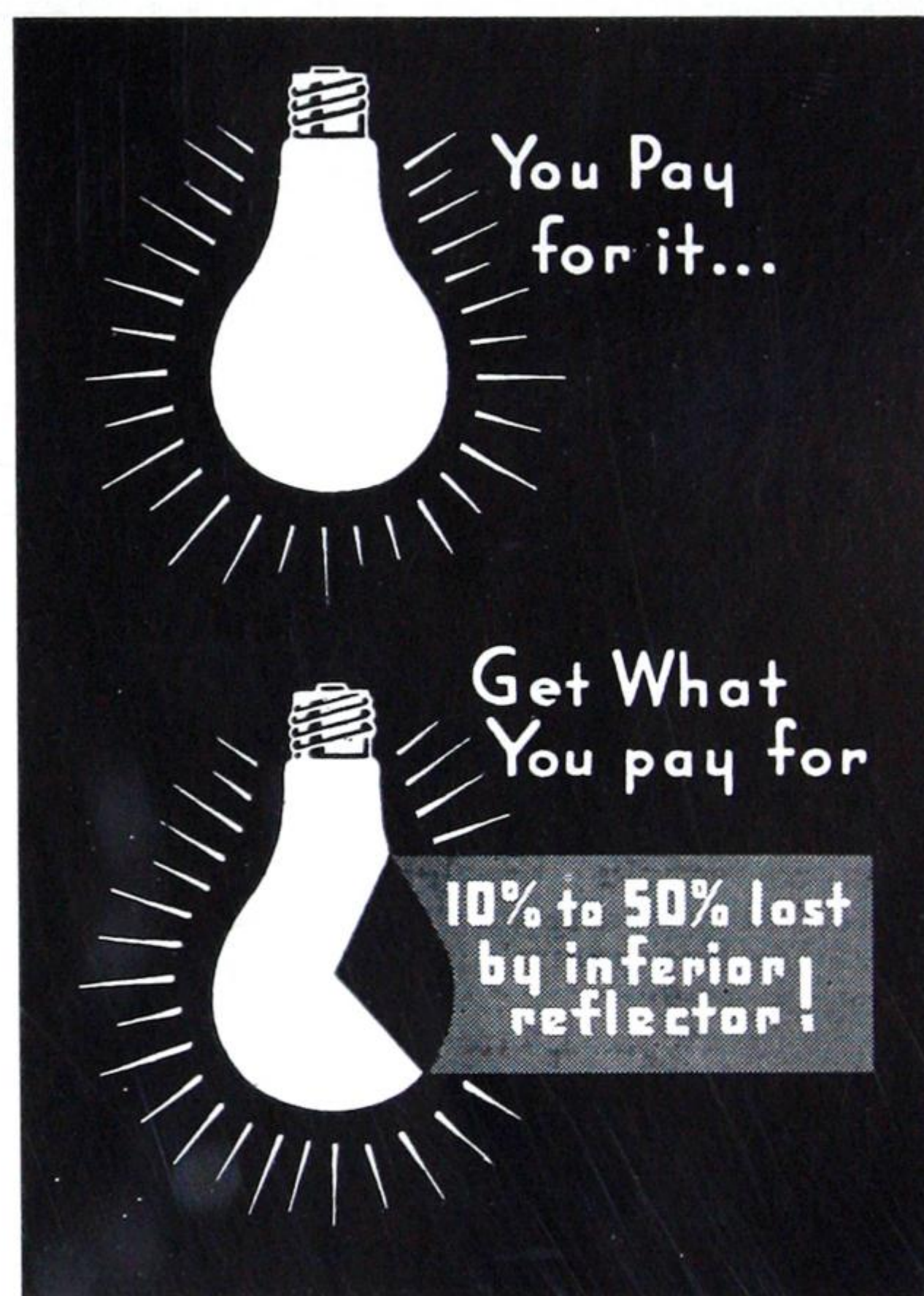
The price-to-buy may be attractively low. But the cost-to-use is expensively high!

If, for every dollar which the merchant spends for current, he gets only 60c worth of window illumination, (because the other 40c worth is **wasted** by poor reflectors), wherein lies the economy of a poor reflector?

Why pay—and keep on paying—for something you don't get but might as well have?

If the merchant can buy a good reflector for \$4.50 and it gives brilliant, untarnished service for 15 years—(we know of many in their 20th year of service)—the cost-per-year is only 30c, or 2½c per month!

If a price reflector can be bought for \$1.50, and it lasts for 3 years, (many are discarded long before that time because of discoloration, checking, peeling, etc.), the cost-per-year is 50c, or 4¼c per month. Again the cheap reflector costs too much!



Light Thieves Steal from Unsuspecting Merchants

Light is a salesman. The more you use of it, and the more intelligently you use it, the bigger your sales. Light costs money. At 4c per kilowatt hour, a 150-watt lamp, burning ten hours a day, will consume \$18 worth of current in a 300-day year.

For illuminating one window equipped with twenty such lamps the annual light bill is \$360.

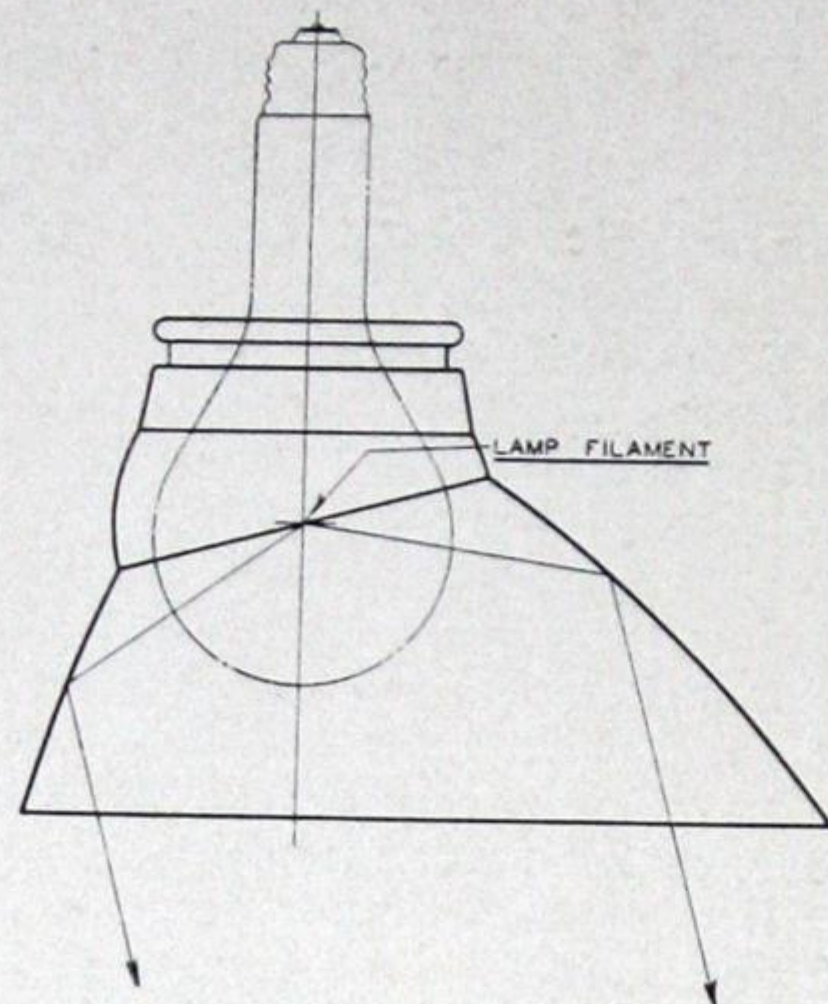
Though by all odds the least expensive and most profitable sales and advertising investment a merchant can make, it is well worth watching.

Obviously, only the light that "conditions" his display pays a return on his investment. "Pay Light" is measured not at the window-ceiling line, but at the window-selling line.



Though a merchant may pay \$360 a year to light one window—and pay it cheerfully—half the light he pays for may easily be lost, wasted, or **stolen** by inefficient reflectors, and never get down to the display.

Controlled Light. The specular reflecting surface of silvered glass reflectors provides astounding control of light from the searchlight beam of a floodlight reflector to the very broad distribution of the indirect reflector. The reflector picks up the maximum flux of light and puts it just where the designer wants it. Only a specular reflector can do this and only a Permalector does it most efficiently. Asymmetric distribution, so essential for window lighting where the light must be directed downward and to the front, is accurately and efficiently possible. To the right is a sketch showing how the Permalector picks up and reflects the light in a concentrating asymmetric show window reflector. The reflected light is accurately placed where desired. All the light is controlled except that small amount which must needs escape through the neck and that which passes unhindered through the bottom opening. The maximum possible flux of light is controlled by the Permalector.



A Permalector for Every Purpose. The ability of silvered glass reflectors to accurately control light has made it possible to design and produce nearly a hundred different reflectors for many classes of lighting services: extremely concentrating reflectors for floodlighting; asymmetric reflectors for window, case and display lighting; concentrating and extensive reflectors for built-in lighting, public space and factory lighting; widely distributing reflectors for indirect lighting; special reflectors for cove lighting.

Permalector Line Most Complete. In this catalogue we present the most complete line of silvered glass reflectors. They thoroughly cover fields of lighting for which they are inherently the best. Witness show window lighting. The very concentrating Nos. 56 and 57 are designed for high windows, shallow depth and low trim as in jewelry stores; the Nos. 54, 55 and 555 are proper for windows of intermediate depth relative to height; the Nos. 77, 85, 99, 990 are the only reflectors of this type available (no other manufacturer has them) and perform the astounding function of illuminating a deep window for the full height of the background, without any visible sharp cut-off, even though set flush in the window; the Nos. 73, 105, 110, 500 are of the angle type. All accessories such as plaster rings, flush mounting rings, louvers, colorlites, hinged ceiling rounds, hinged concentric louvers are available for the entire line. In fact more Permalectors are available for use with these very accessories than in other lines.

Permalector No. 55 a Pioneer. Ten years ago the first asymmetric Permalector, our No. 55, with circular bottom opening was produced. Prior thereto all asymmetric reflectors had bottom openings of non-circular form, which made flush mounting much more difficult. The achievement of circular opening with asymmetric reflectors was an immediate hit, with the result that today the non-circular reflector is not desired in flush mounting service. The complete Permalector line for flush mounting in windows has circular bottom.

Permalectors Made By Secret Process. Permalectors, as we have already indicated, not only must reflect light, they must direct light, they must aim the rays in the predetermined direction so that they will fall upon the plane or surface to be illuminated and they must do this with as little loss of light as possible. Hence, Permalectors really are "Shaped Mirrors".

We call them Permalectors, the silvered glass reflectors with the permanent reflecting surface.

We have our own glass furnaces. We melt our own glass. We make our own molds and blow our own reflectors. We have already explained that by this means we get a uniformly efficient product. The glass in Permalectors must be flawless, crystal clear, colorless, not yellow. Permalectors are "hand-blown" not machine-made like bottles.

The crystal clear glass is plated not only with one coat of silver, but with two!

The Fiery Test at the Factory

Before a Permalector may be wrapped and packed—before the trade-mark label may be attached—it is subjected to a most severe heating test.

It is put in the oven at 350° F. and this heat is maintained for eight hours. This is a necessary process in the making of a Permalector, and of itself is a severe test.

The Fiery Test in the Laboratory

Laboratory tests are made from time to time on Permalectors, and on other reflectors, and always with the same results.

In actual use, reflectors are subjected to unusual strains and stresses by reason of the repeated heating and cooling as the lights are turned on and turned off day after day. If the reflector is not rightly made, these strains and stresses will cause the backing to crack, check or peel and the silver-plated reflecting surface to tarnish or discolor.

What may be expected of a reflector in service, may quite readily be determined in advance by laboratory tests which impose upon the reflectors strains and stresses corresponding to those in actual service.

In all such tests as we have made and have known to be made, Permalectors are the **only** silvered glass reflectors, the backing on which does not crack, check or peel or the silver reflecting surface tarnish under the repeated heating and cooling.

A Fiery Test at Home

Indeed, this laboratory test can be duplicated by any one, in a gas or electric oven equipped with a thermometer.

Put the reflectors you wish to test into an oven; heat them to 400°; keep them at that temperature for thirty minutes; then allow them to cool.

Continue this alternate heating and cooling and you will soon find that the Permalector is the one that will come through with the backing and the reflecting surface undamaged.

It's a convincing test! It is proof positive of the superiority of manufacture, of the permanence of the reflecting surface and of the economy of Permalectors.

The glass protects the reflecting surface of the silver plating. To protect the other side we cover the silver plating with a copper envelope, by a process known to and employed only by us.

This secret process makes it possible for us to seal the silver plating between copper and glass.

That is why Permalectors not only are bright to begin with, but stay bright through a long lifetime of arduous service. That is why you will seldom if ever see Permalectors with a darkened or discolored reflecting surface. That is why you will never see Permalectors with the backing chipped, cracked or peeling.

Two Decades of Perfection in Manufacture. That is why, twenty years ago, back in 1916, when we first developed the copper protection, we absolutely guaranteed Permalectors against these weaknesses common to other silvered glass reflectors.

At first we guaranteed five years of perfect service. Then we guaranteed ten and continue to do so. Today, hundreds of thousands of Permalectors have been in service for ten, fifteen, twenty years—and not even one out of ten thousand has been reported to us as having the silvered reflecting surface darkened, or the backing crack, check or peel.

Ten Year Guarantee. While there are guarantees and guarantees, a guarantee backed by twenty years of practical perfection in manufacture means something. When a customer purchases Permalectors, he is less interested in the assurance that a responsible manufacturer will replace the equipment if it turns out to be defective than he is in the comfort of his conviction that the product is so good that it will never have to be replaced, a conviction backed up by twenty years of nearly faultless production.

"We unconditionally guarantee to the original purchaser that the backing on Pittsburgh silver plated glass reflectors will not crack, check or peel, and that the silvered reflecting surface will not tarnish, for a period of ten years from date of purchase from us."

There it is! We make good if your Permalectors fail in those respects, but from the record you know that there is not one chance in ten thousand that any of the Permalectors you purchase will go bad.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA



Crystal Glass, made in our own factory that we may control every step of the process. Result—clear, sparkling, uniform.



Pure silver, double plated—the surface that reflects light with least loss by absorption.



Copper envelope—seals the silver between glass on the one side and copper on the other. Like a copper roof it is a lifetime protection.



Silver colored satin finish—distinctive, handsome, harmonizes with all backgrounds.

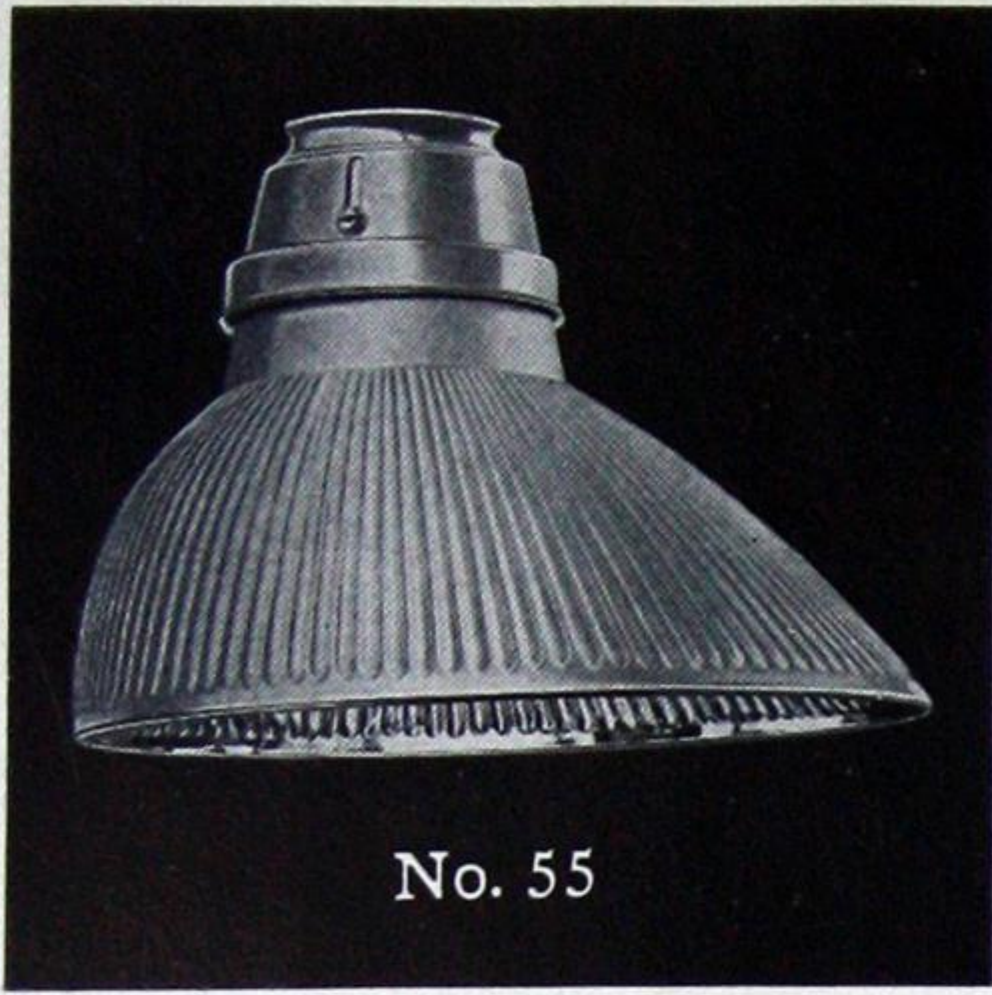
Services of Our Engineering Department

We want all users of Pittsburgh Permafectors to get excellent service from the Permafectors they purchase from us. A glance at the following pages of this Catalog will indicate the great variety of reflectors we have for various lighting purposes. It is too much to expect our customers to be able to select the Permafecter which will do the best job for the particular lighting application. Even architects, engineers and electrical contractors may have difficulty in so doing. Having designed and produced the line, our engineers have a more thorough knowledge of the proper uses for the different items in the line.

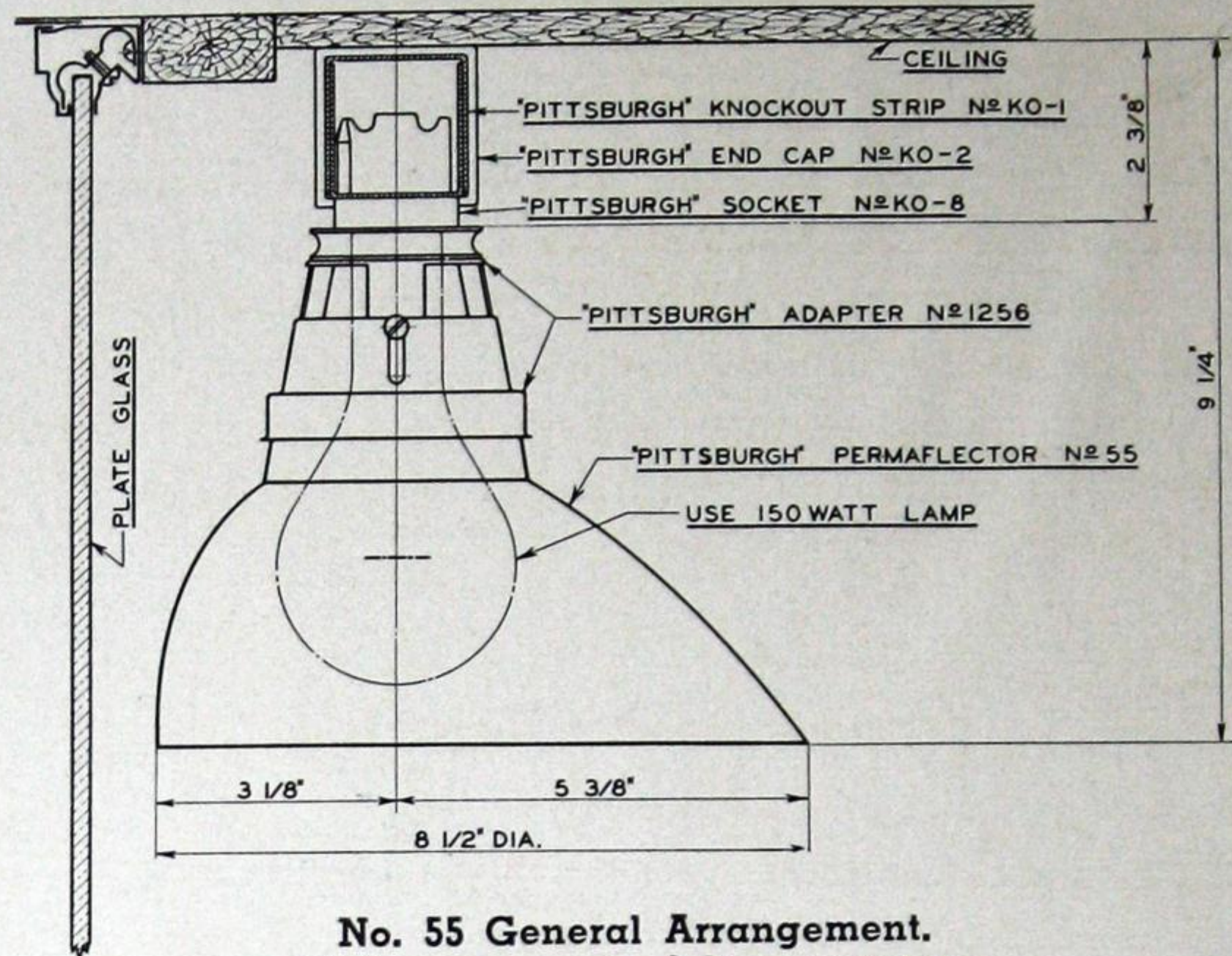
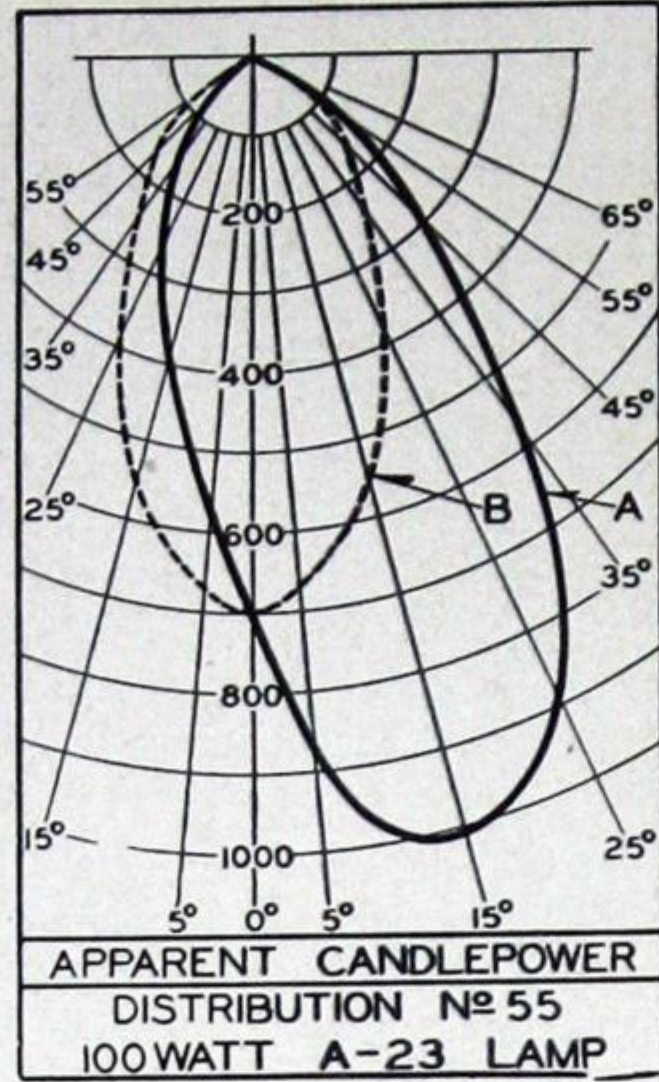
For this reason we make the services of our engineering department available to our customers at no extra cost. When you need lighting, consult our engineering department at headquarters in Pittsburgh, or our field-representatives, all of whom have a thorough knowledge of lighting. It does not do our customers nor ourselves any good to have a customer using a Permafecter for a particular purpose, where another one in the line, probably not a bit more expensive, will do a very much better job. We would rather that you would make use of this engineering service freely.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA U S A

Permaflector No. 55 and 55-R



No. 55



No. 55 General Arrangement.
Minimum spacing 9 in. on centers.

Standard Quantity—10.

Weight, Approx. 18 lbs.

Code: Permaflector No. 55 including Adapter No. 1256...SHOFIFI
Permaflector No. 55-R including Adapter No. 1256-R...SHOFIFIR

Application—Primarily for shallow windows, 4 to 9 feet high; medium trim; island windows; or windows with upper portion of background of glass. Also excellent for other display lighting such as rug racks, quotation boards, building fronts and entrances; choirs and sanctuaries of churches; handball, squash, indoor badminton or tennis; art galleries and museums; and indirect cove lighting.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 8 1/2 inches.

Lamp Size—

100 watt A-23, Adapter in compressed position.
150 watt A-25, Adapter in extended position.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3/4 or B-1-4 use Adapter No. 1256 attached directly to Socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3/4 or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Color Lighting: Use

Color-Lite—No. 5, No. 6 or No. 6-DB for external mounting.
No. 61 or No. 61-DB for use with flush mounting Ring No. 55.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 55-A with Flush Mounting Ring No. 55.
No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use
Flush Mounting Ring—No. 55.

When Recessed in Ceiling and Concealed: Use
Hinged Ceiling Roundel—No. 1-A.

For Louvered Lighting: Use

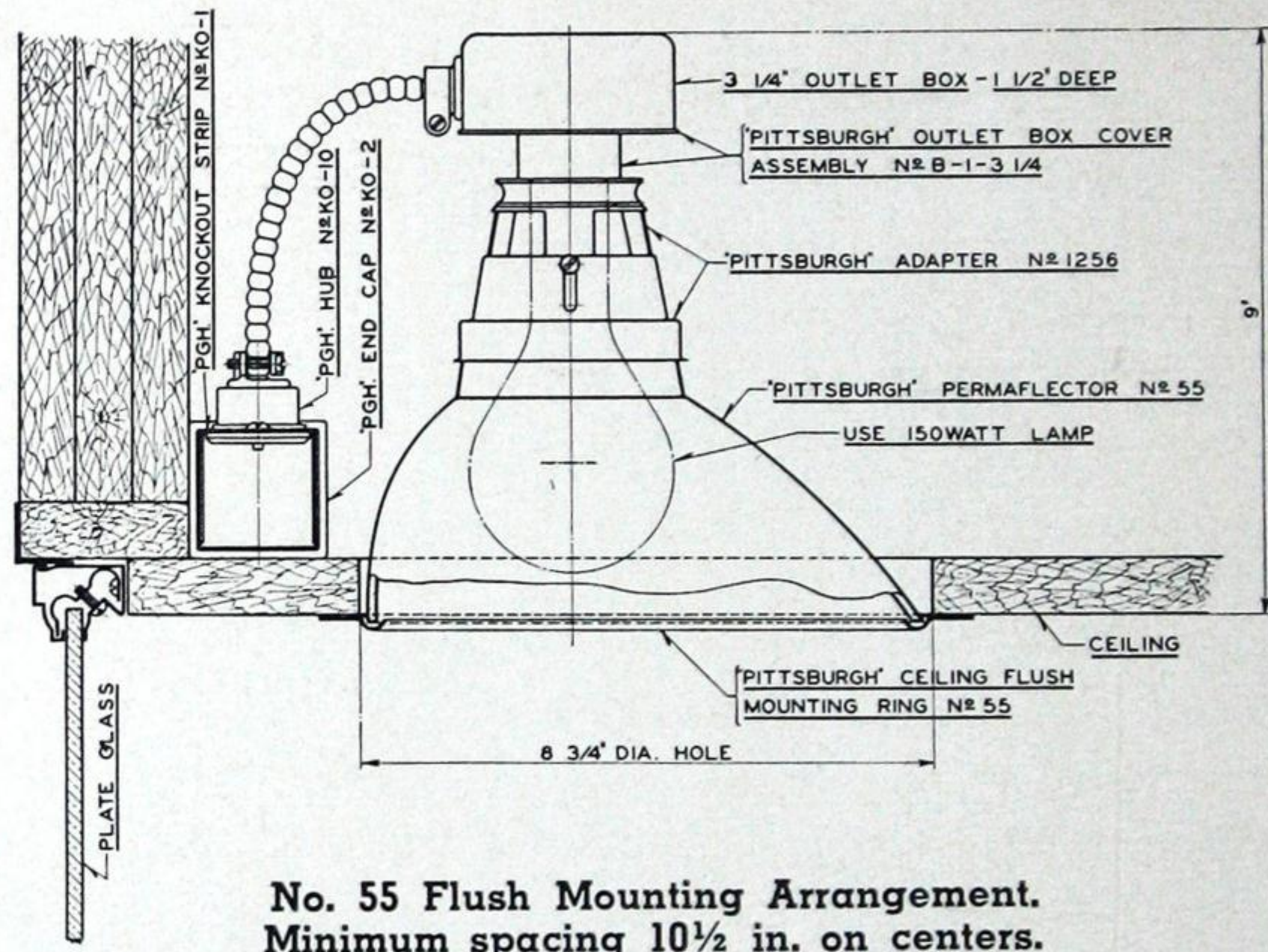
Parallel Louver—

No. EM-55 for External Mounting.
No. FM-55 for use with Flush Mounting Ring No. 55.

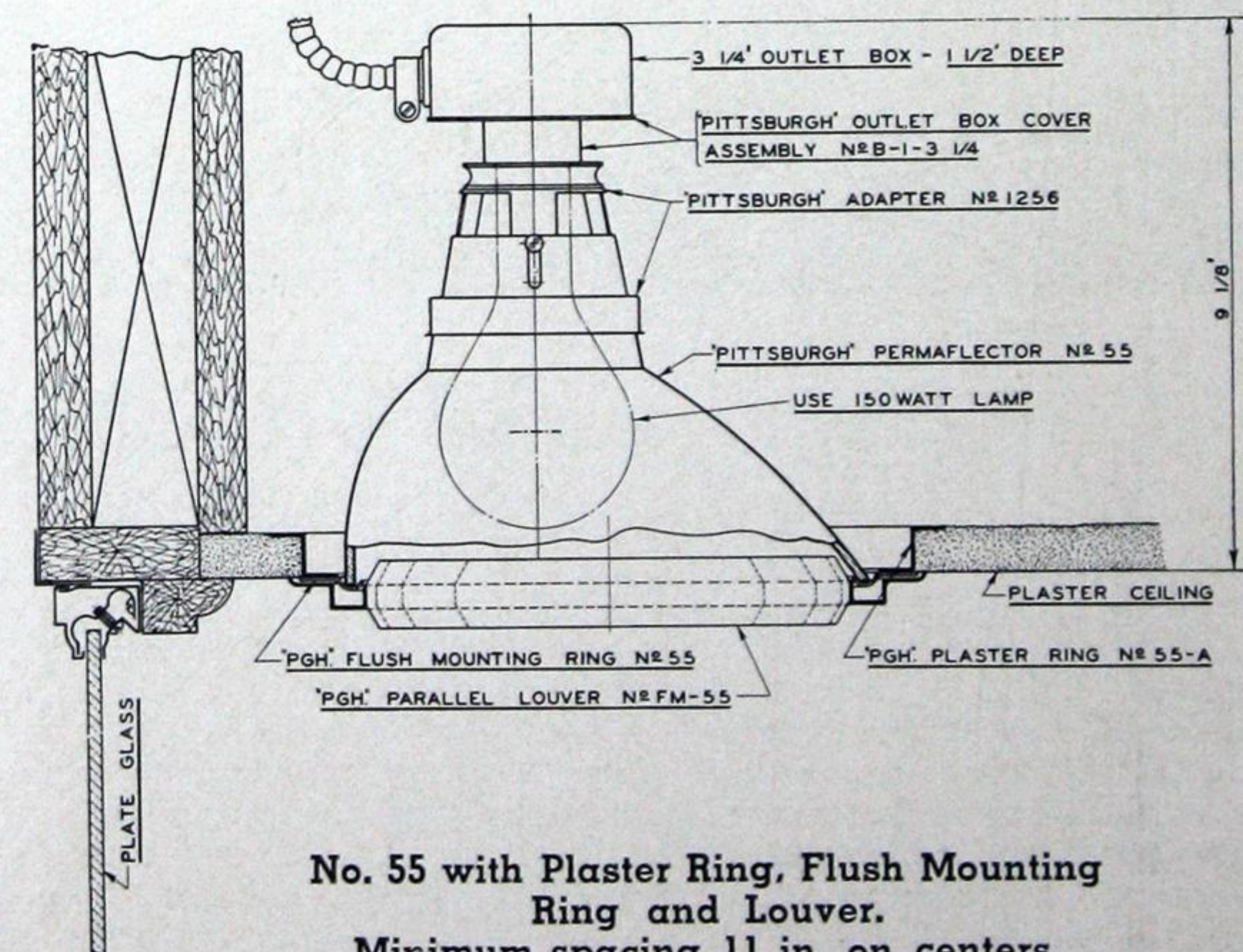
Eccentric Louver—

No. EM-88-CA for External Mounting.
No. FM-88-CA for use with Flush Mounting Ring No. 55.

Hinged Concentric Louver—No. 1-A.



No. 55 Flush Mounting Arrangement.
Minimum spacing 10 1/2 in. on centers.



No. 55 with Plaster Ring, Flush Mounting
Ring and Louver.
Minimum spacing 11 in. on centers.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Built-in Window Lighting for Permaflexor No. 55

No Roundels or Louvers

Trough W-55, for surface mounting, is same as W-55-R shown herewith, except hinged door containing roundels is omitted. Similarly W-55-F, for flush mounting, is same as W-55-RF, roundels omitted. The only difference between surface mounting troughs and flush mounting troughs is in the continuous sheet steel angle provided for supporting unit in opening in ceiling when flush mounted.

Equipped with Roundels

Troughs W-55-R, for surface mounting, and W-55-RF, for flush mounting, have a stippled glass colorless roundel in a hinged door below each Permaflexor No. 55. Installing the roundel in the convex upward position eliminates glare, while at same time completely concealing the Permaflexor No. 55.

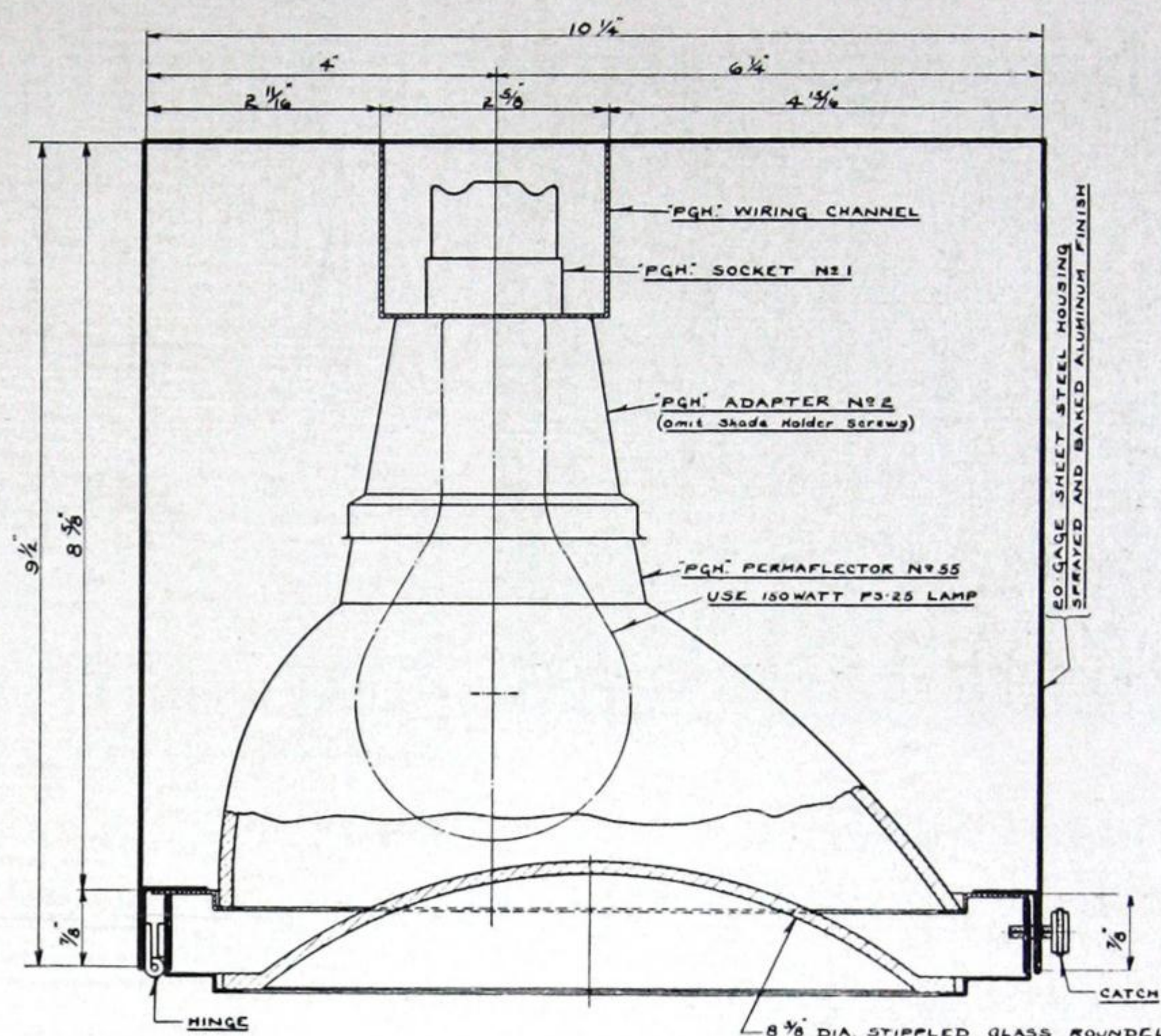
Equipped with Parallel Louvers

Troughs W-55-L, for surface mounting, and W-55-LF, for flush mounting, have a parallel louver in a hinged door below each Permaflexor No. 55. The louver may be installed with the vanes parallel with plate glass, or perpendicular thereto, as may be required.

Equipped with Eccentric Louvers

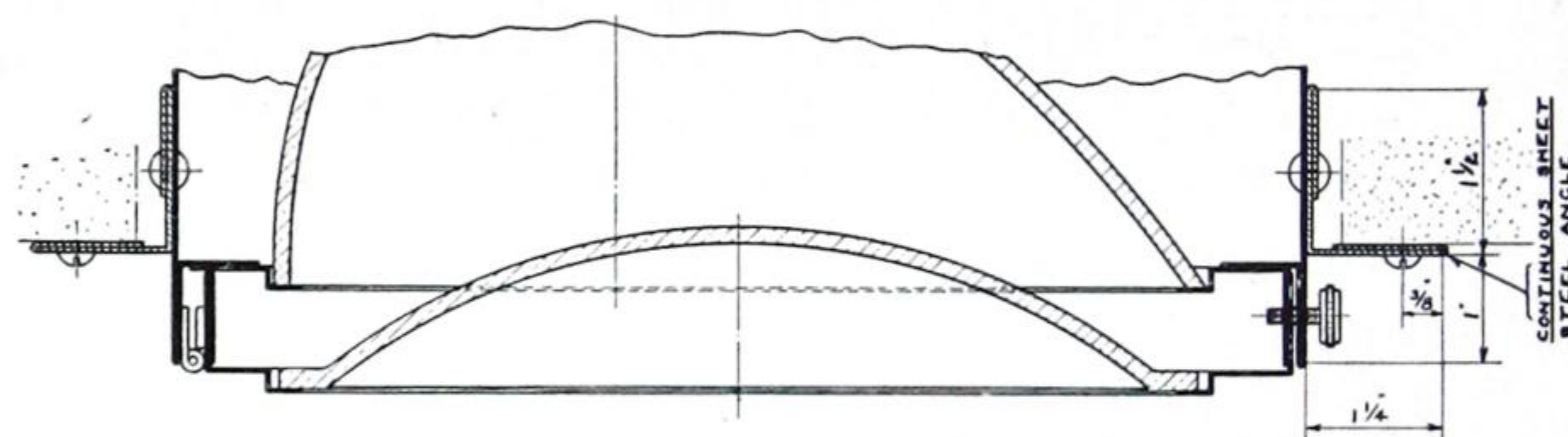
Troughs W-55-LA, for surface mounting, and W-55-LFA, for flush mounting, have an eccentric louver in a hinged door below each Permaflexor No. 55. The louver is installed so that eccentricity of louver corresponds to eccentricity of the Permaflexor.

LAMP SIZE: 150 Watt, PS-25.



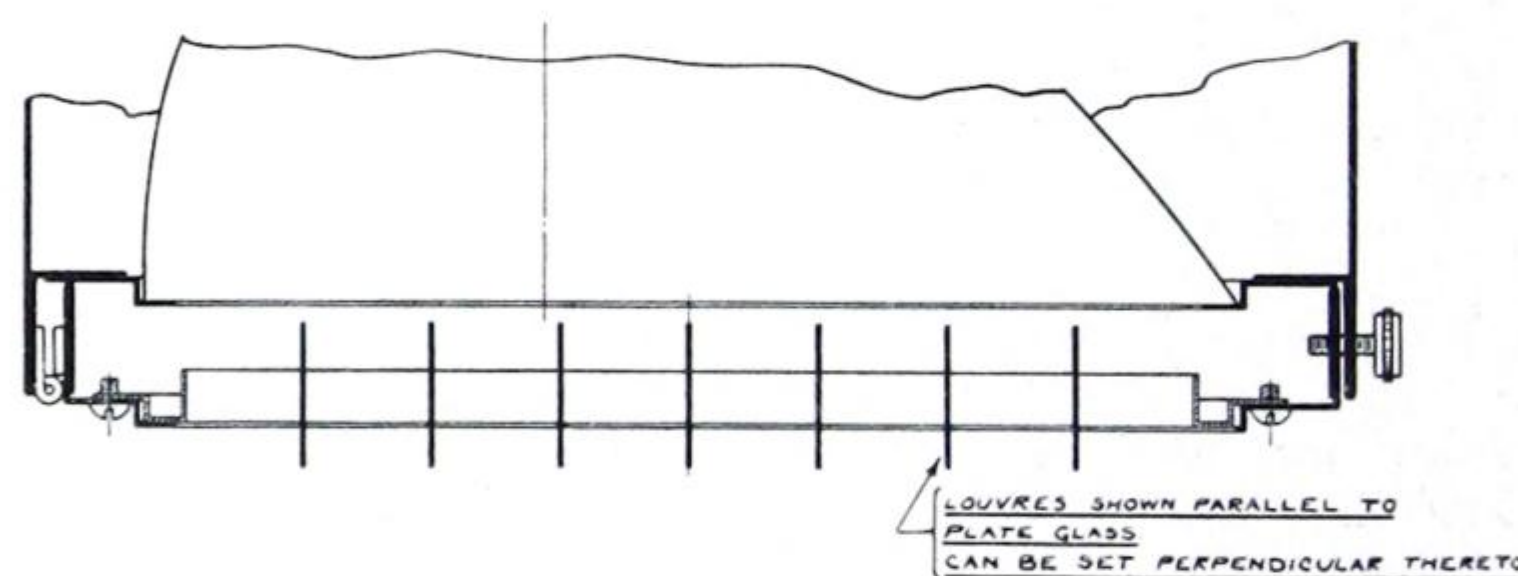
W-55-R For Surface Mounting.

W-55 Same as W-55-R, less hinged door and roundels.



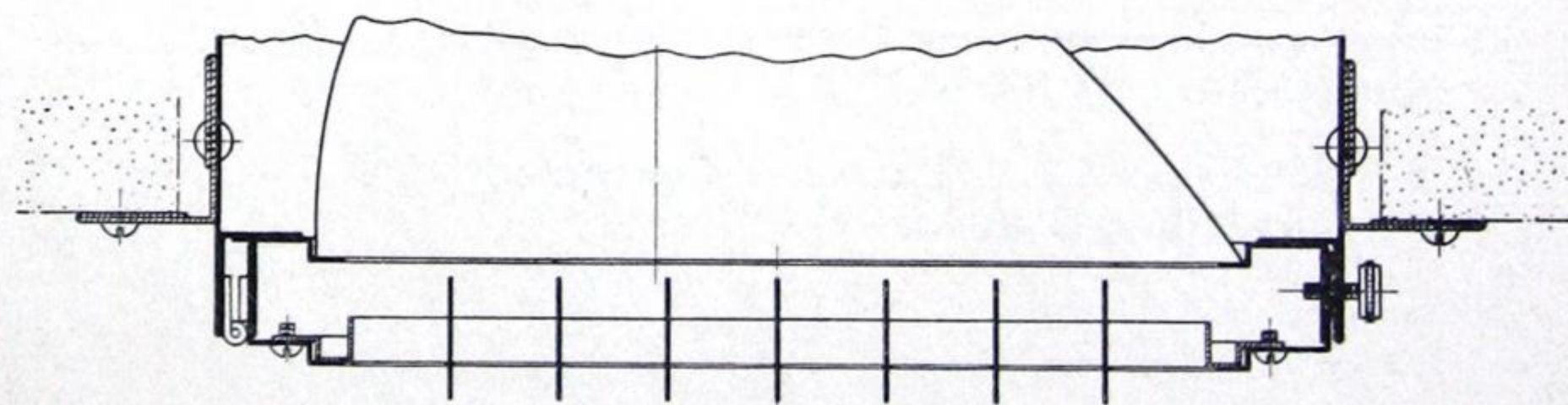
W-55-RF For Recessing in Ceiling.

W-55-F Same as W-55-RF, less hinged door and roundels.



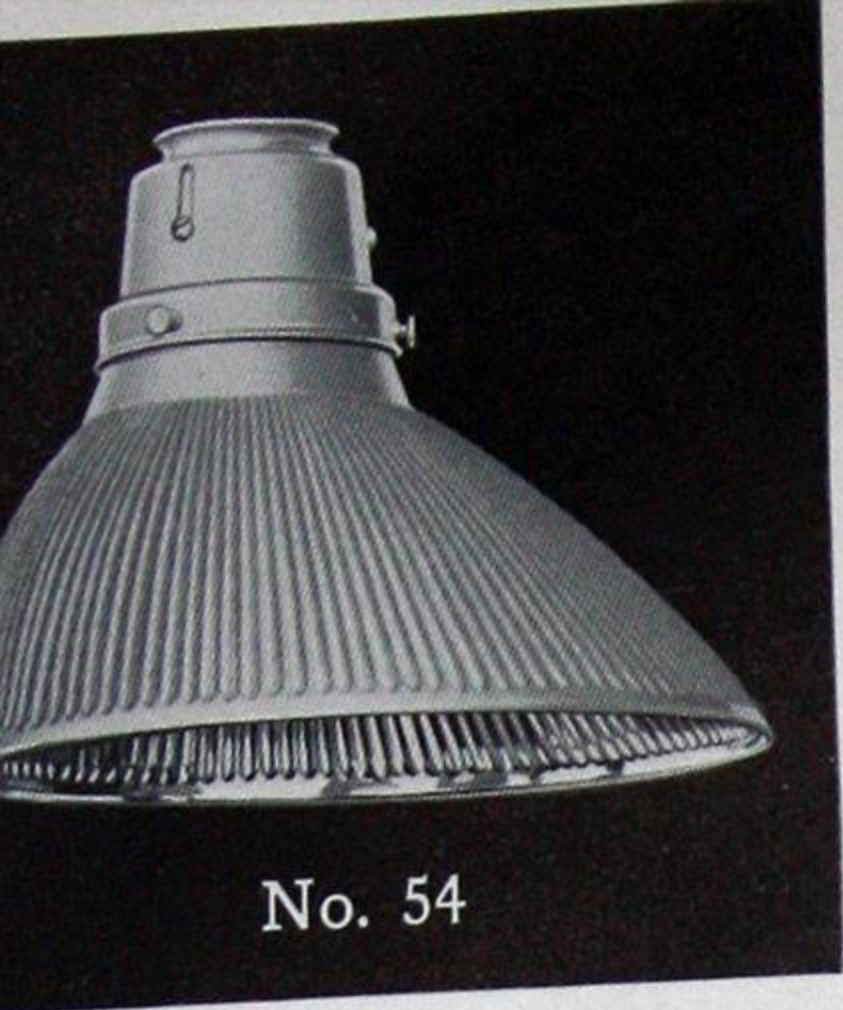
W-55-L For Surface Mounting (Parallel Louvers instead of roundel.)

W-55-LA—Same as W-55-L except equipped with Eccentric Louver.

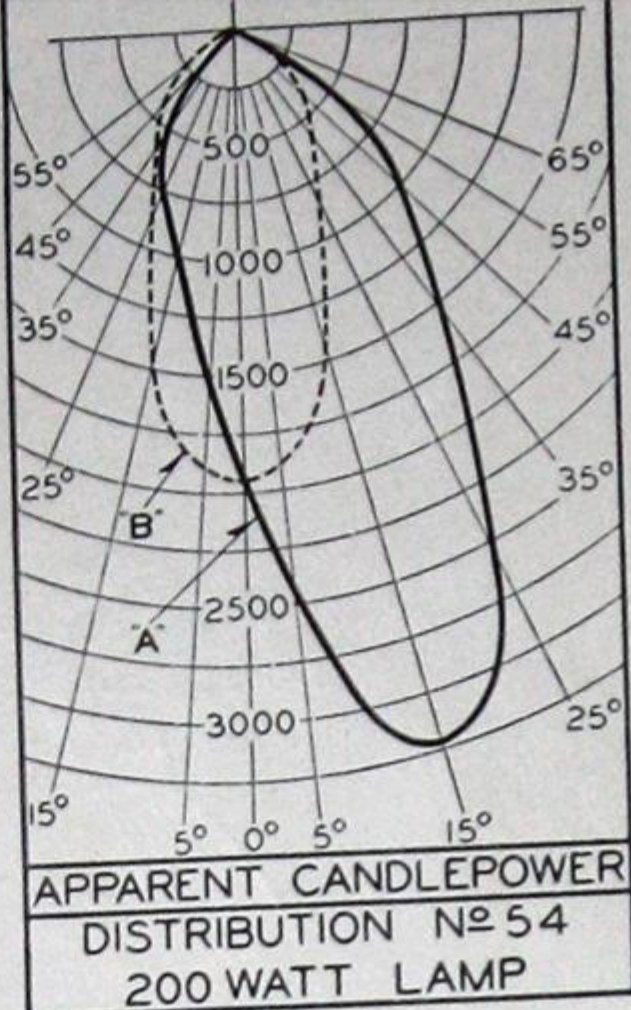


W-55-LF For Recessing in Ceiling (Parallel Louvers instead of roundel.)

W-55-LFA—Same as W-55-LF except equipped with Eccentric Louver.



No. 54



Standard Quantity—8.

Weight, Approx. 18 lbs.

Permalector No. 54 including Adapter No. 1234

SHOFIFOR

Permalector No. 54-R including Adapter No. 1234 R

SHOFIFORER

Application—Primarily for shallow windows, 7 to 10 feet high; medium trim; island windows; or windows with upper portion of background of glass. Also excellent for other display lighting such as rug racks, quotation boards, building fronts and entrances; choirs and sanctuaries of churches; handball, squash, indoor badminton or tennis; art galleries and museums; and indirect cove lighting.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 9½ inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.
100 watt PS-30, Adapter in extended position.

Adapter—with brass shell socket, use 2¼" Form 'OB' holder with Adapter No. 1234; with grooved porcelain socket use Adapter No. 1234-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4 use Adapter No. 1234 attached directly to Socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with Adapter No. 1234.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1234. No. 12 or No. 62 with Adapter No. 1234-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2, No. 2-DB or No. 21.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 54 with Flush Mounting Ring No. 54.

No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 54.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.

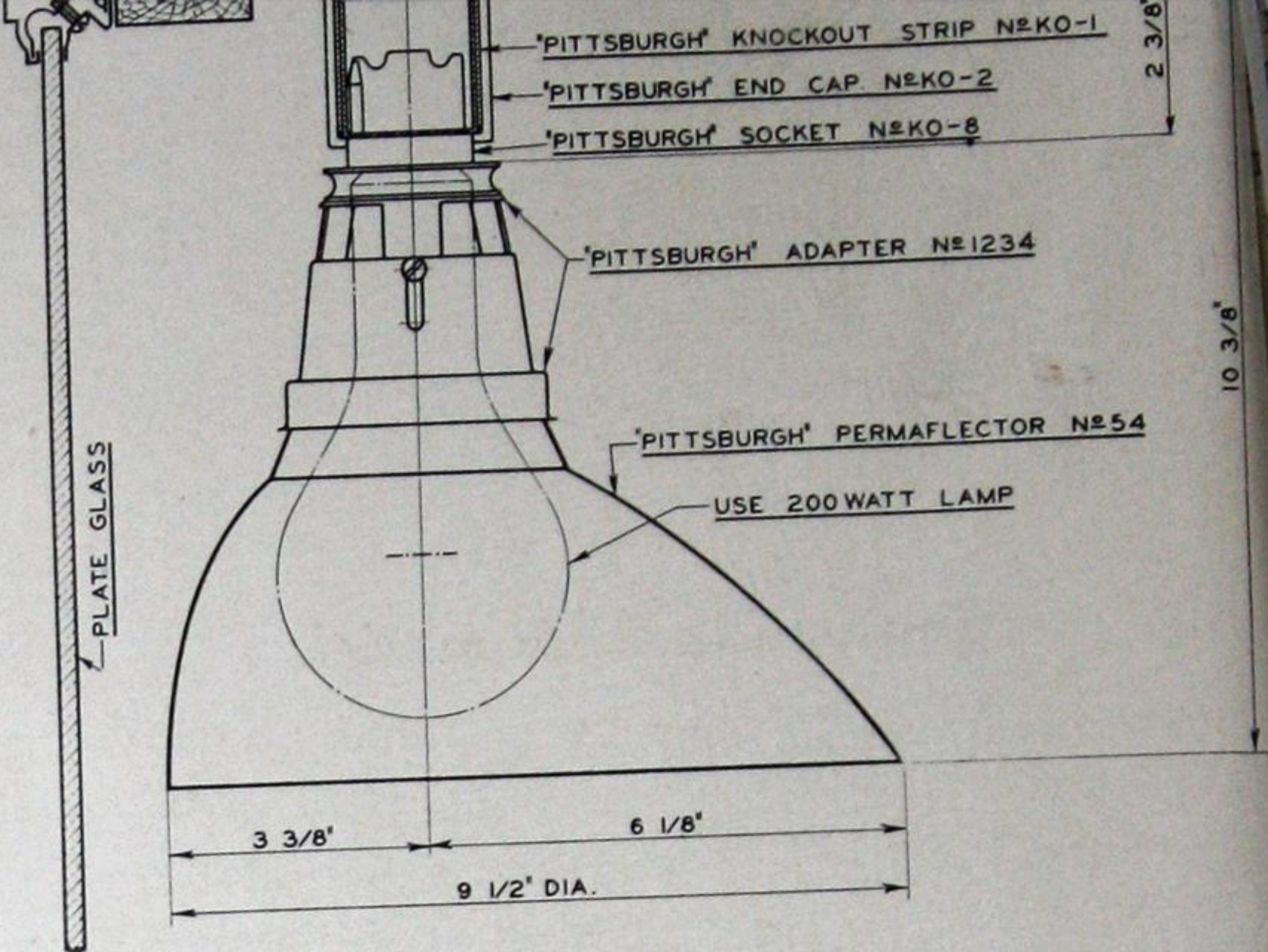
No. FM-54 for use with Flush Mounting Ring No. 54.

Eccentric Louver—

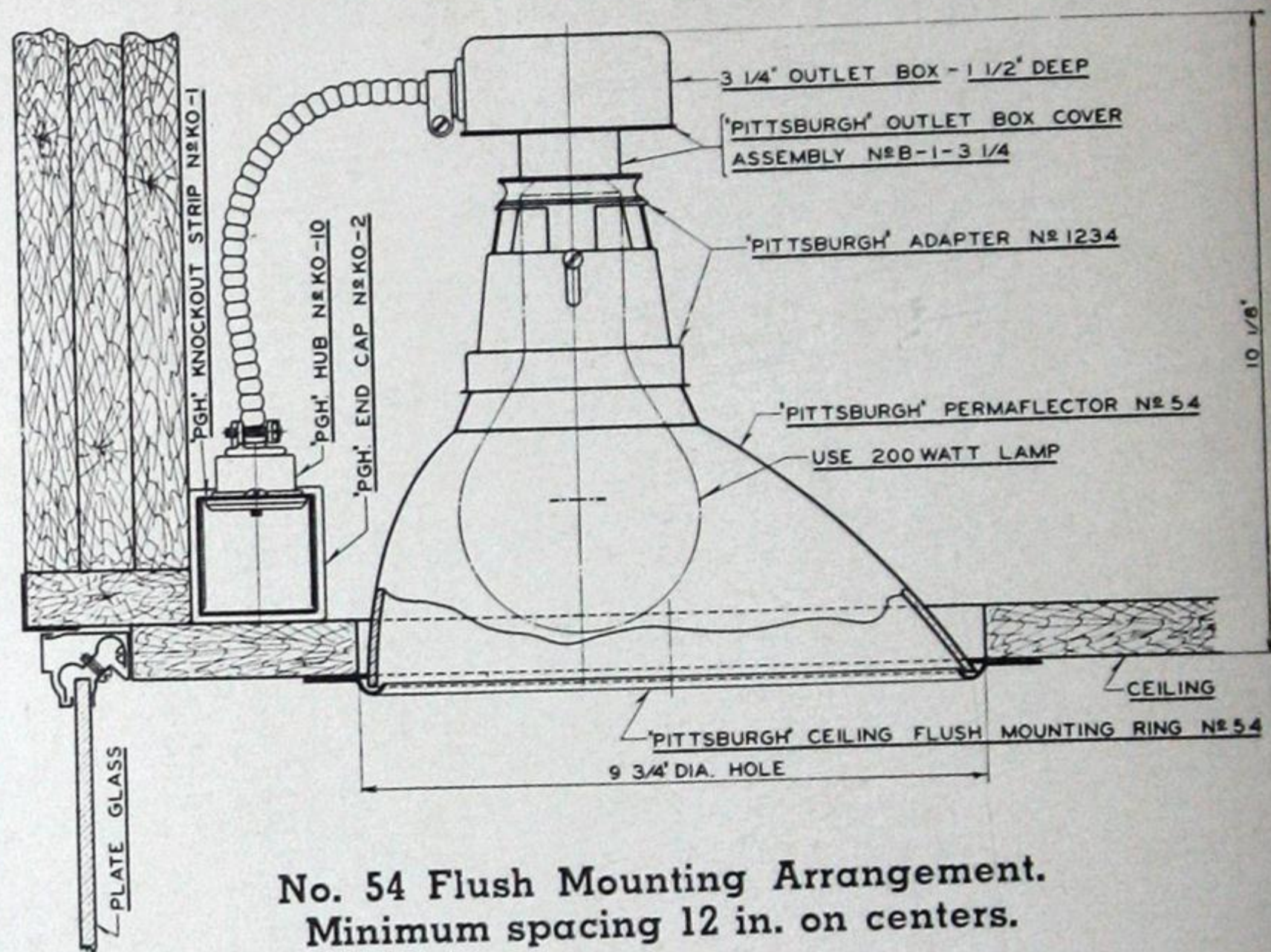
No. EM-99-CA for External Mounting.

No. FM-99-CA for use with Flush Mounting Ring No. 54.

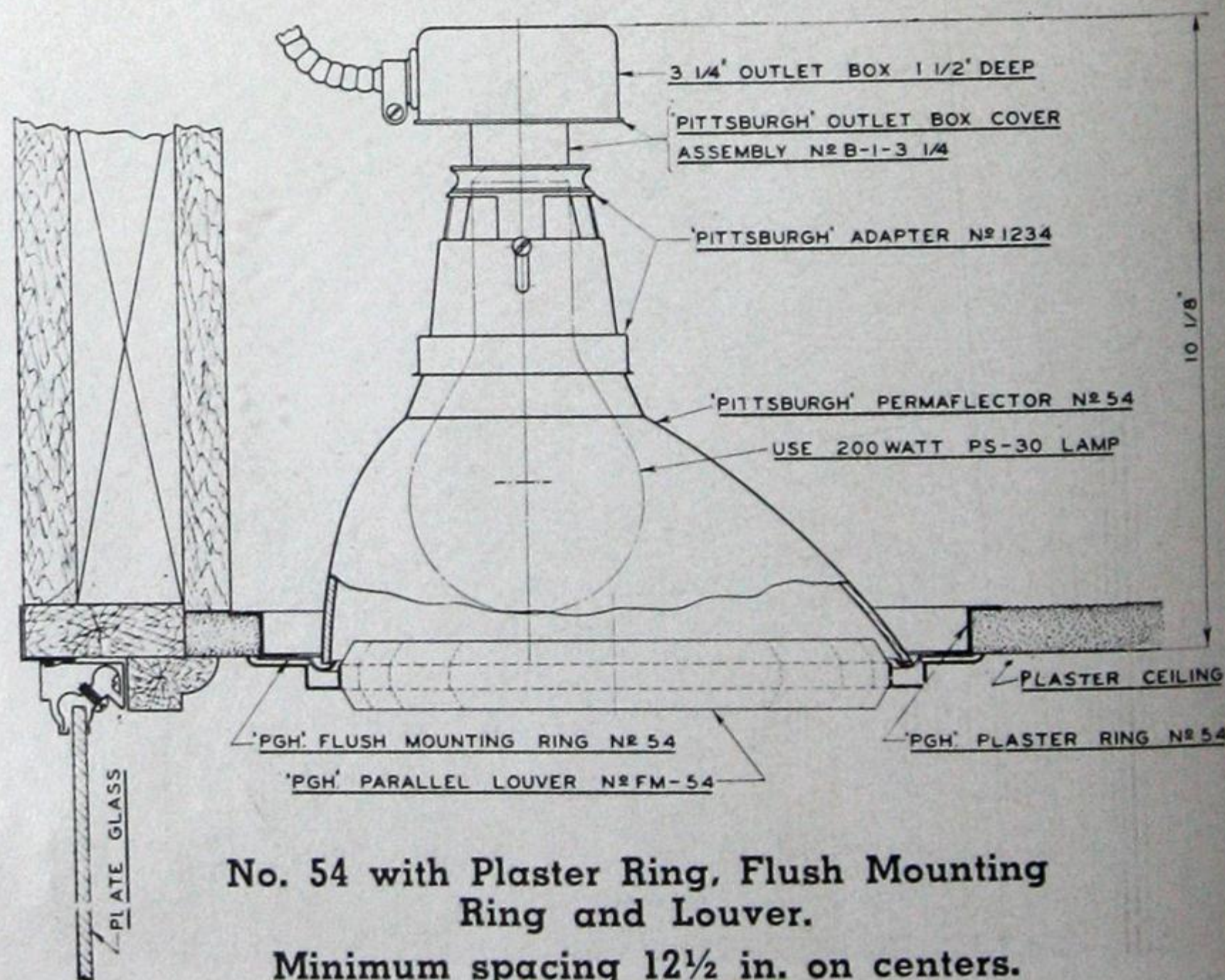
Hinged Concentric Louver—No. 6.



No. 54 General Arrangement.
Minimum spacing 10½ in. on centers.



No. 54 Flush Mounting Arrangement.
Minimum spacing 12 in. on centers.



No. 54 with Plaster Ring, Flush Mounting
Ring and Louver.

Minimum spacing 12½ in. on centers.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Built-in Window Lighting for Permaflexor No. 54

No Roundels or Louvers

Trough W-54, for surface mounting, is same as W-4 shown herewith, except hinged door containing roundels is omitted. Similarly W-54-F, for flush mounting, is same as W-54-RF, roundels omitted. The difference between surface mounting troughs and flush mounting troughs is in the continuous sheet steel frame provided for supporting unit in opening in ceiling when flush mounted.

Equipped with Roundels

Troughs W-54-R, for surface mounting, and W-54-RF for flush mounting, have a stippled glass colorless roundel in a hinged door below each Permaflexor No. 54. Installing the roundel in the convex upward position eliminates glare, while at same time completely concealing the Permaflexor No. 54.

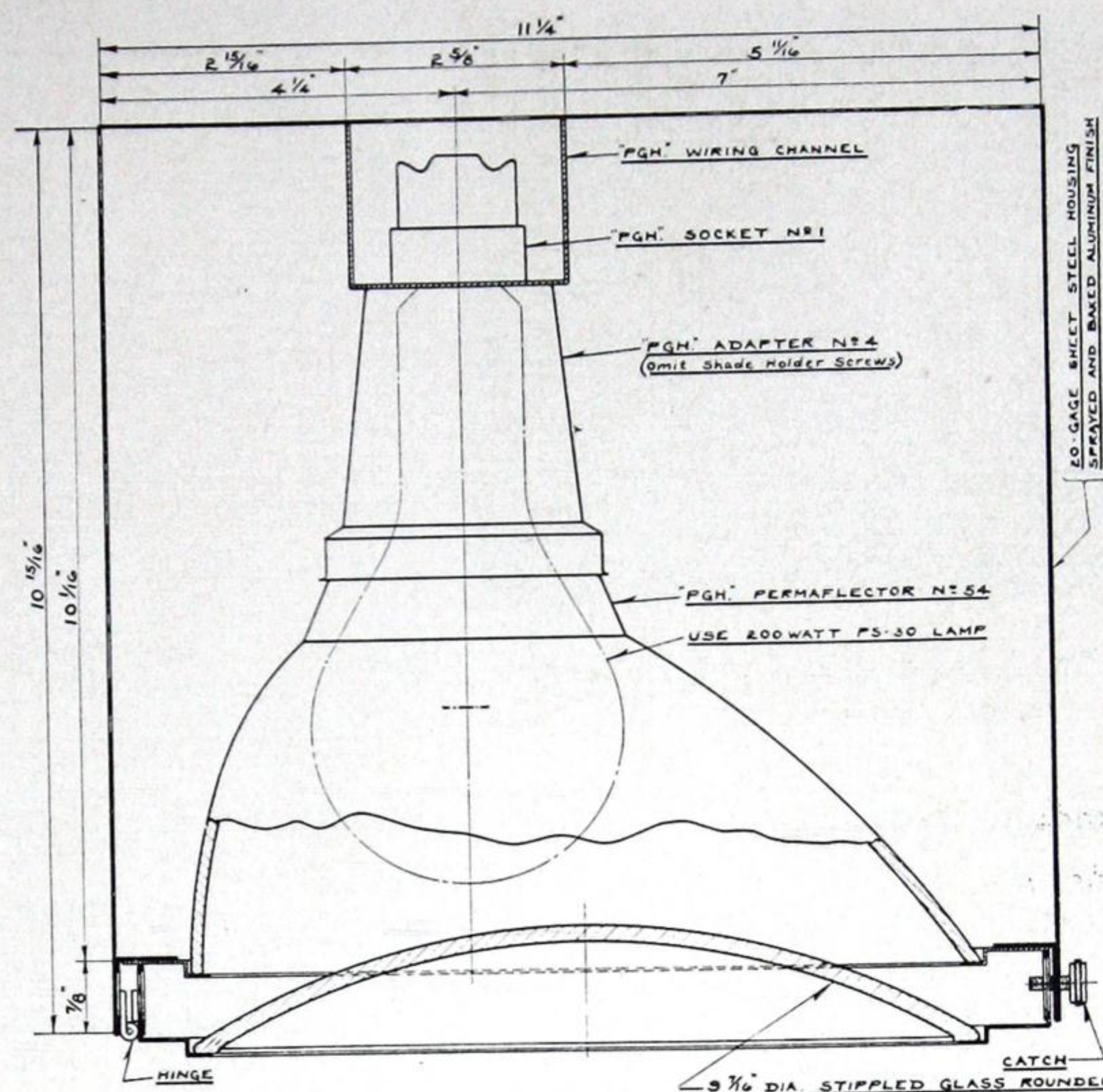
Equipped with Parallel Louvers

Troughs W-54-L, for surface mounting, and W-54-LF for flush mounting, have a parallel louver in a hinged door below each Permaflexor No. 54. The louver may be installed with the vanes parallel with the glass, or perpendicular thereto, as may be required.

AMP SIZE: 200 Watt, PS-30.

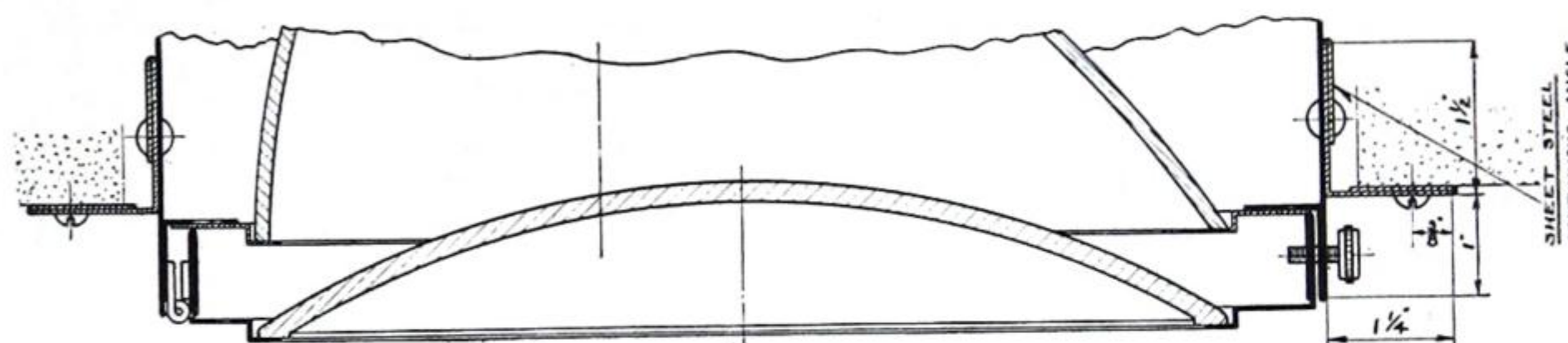
Equipped with Eccentric Louvers

Troughs W-54-LA, for surface mounting, and W-54-LAF for flush mounting, have an eccentric louver in a hinged door below each Permaflexor No. 54. The louver is installed so that eccentricity of louver corresponds to eccentricity of the Permaflexor.



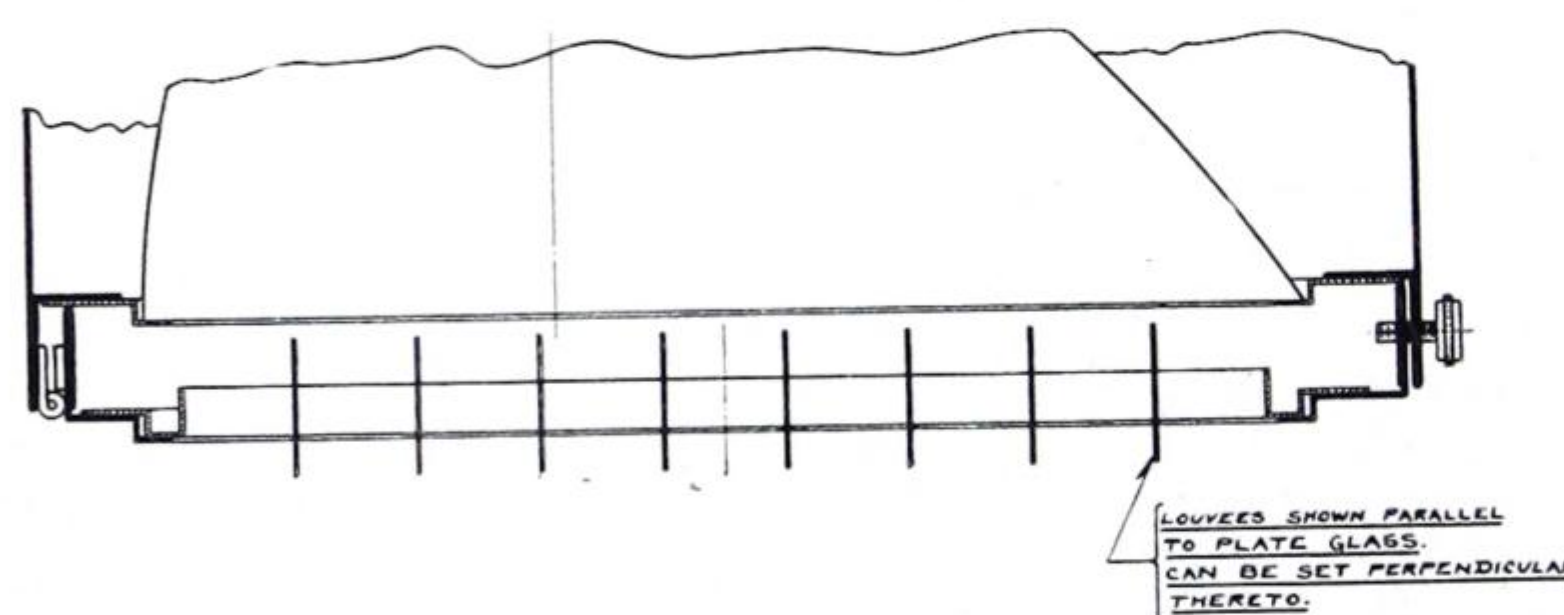
W-54-R For Surface Mounting.

W-54 Same as W-54-R Less Hinged Door and Roundels.



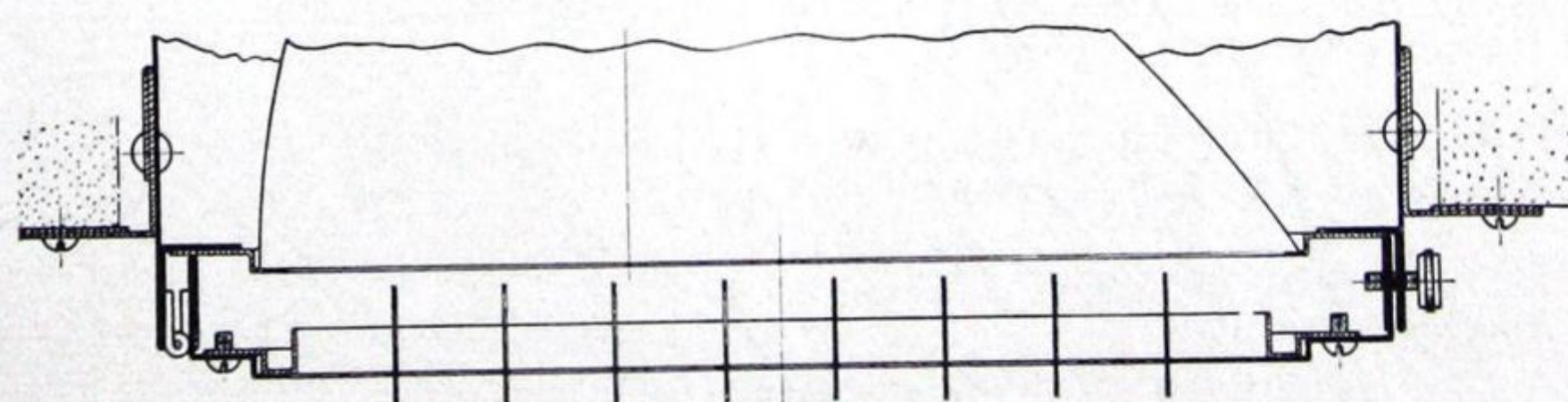
W-54-RF For Recessing in Ceiling.

W-54-F Same as W-54-RF Less Hinged Door and Roundels.



W-54-L For Surface Mounting (Parallel Louvers Instead of Roundel.)

W-54-LA—Same as W-54-L except equipped with Eccentric Louver.

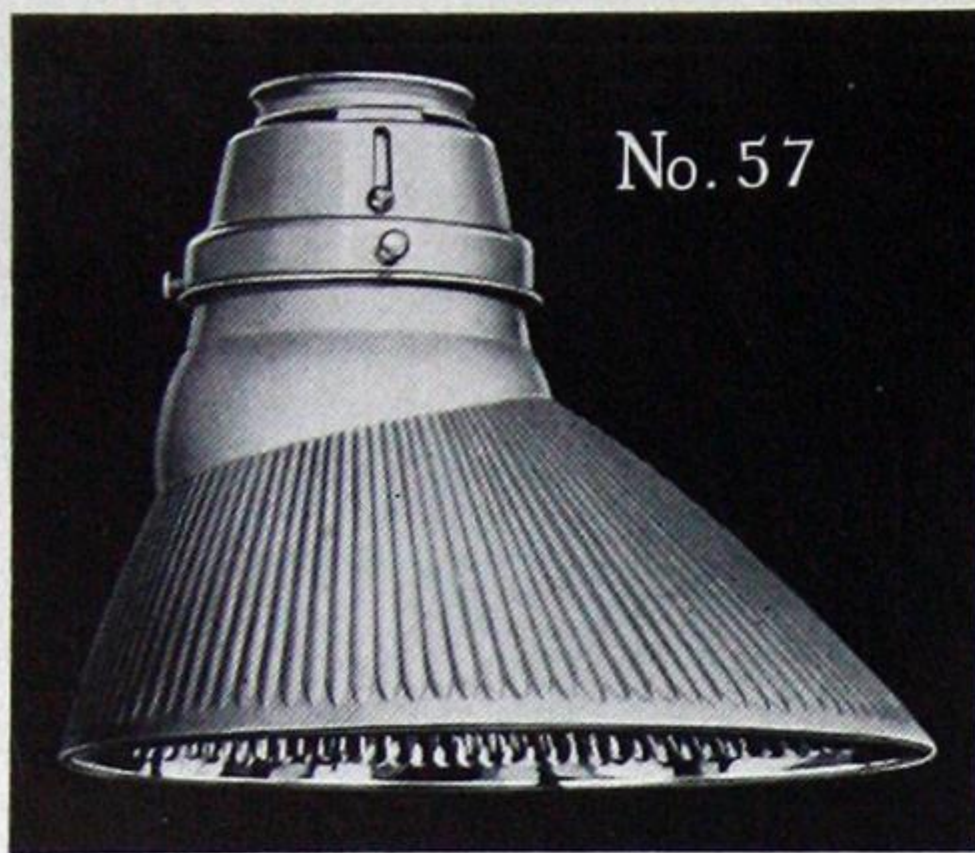


W-54-LF For Recessing in Ceiling (Parallel Louvers Instead of Roundel.)

W-54-LFA—Same as W-54-L except equipped with Eccentric Louver.

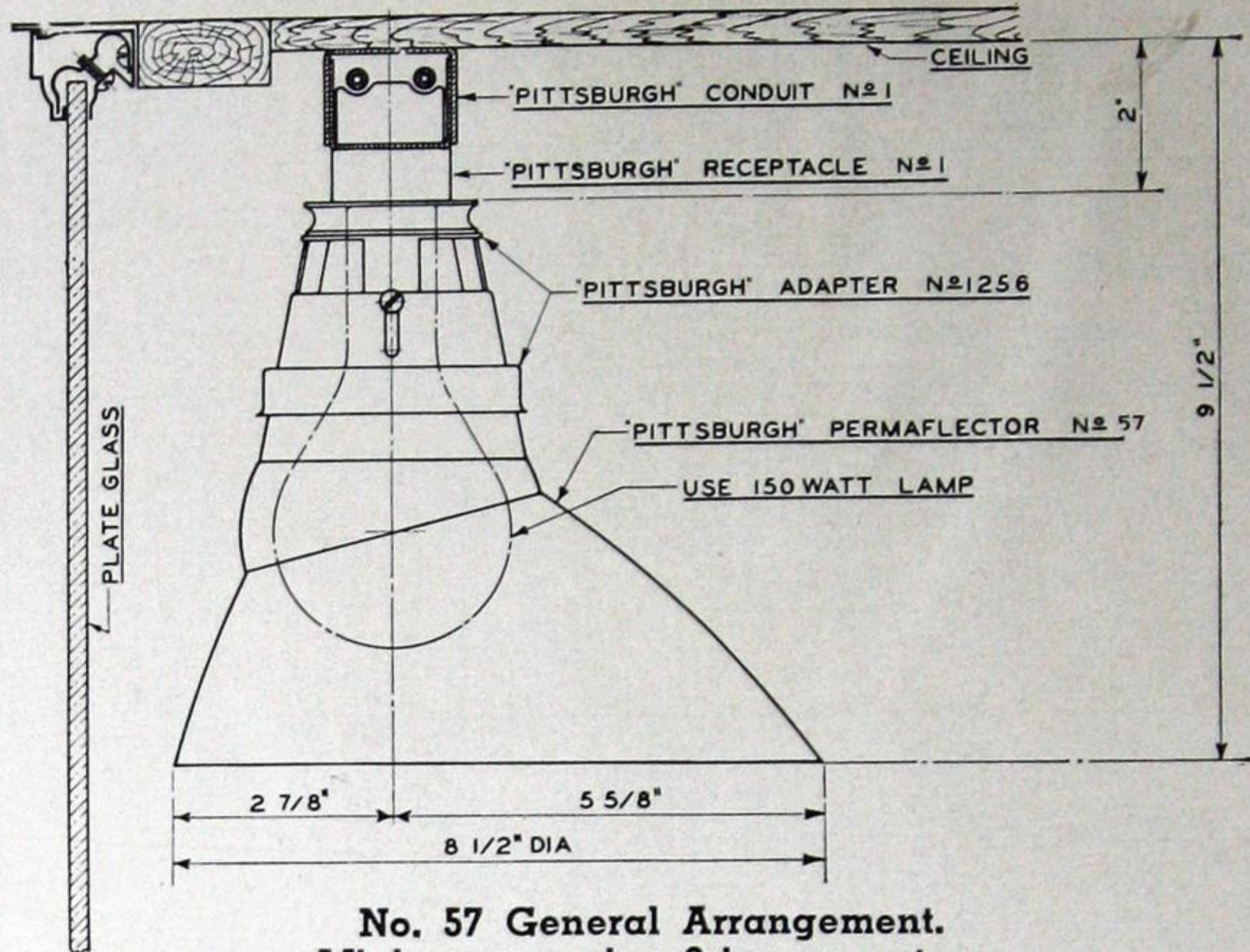
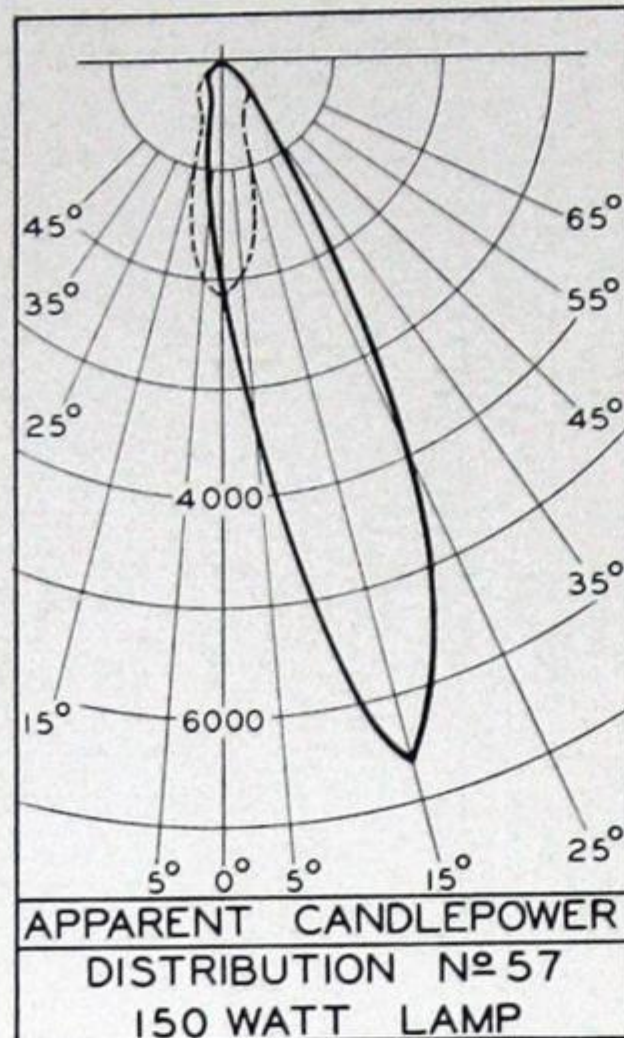


Permaflexor No. 57 and 57-R



No. 57

An Asymmetric Spot Reflector.



No. 57 General Arrangement.
Minimum spacing 9 in. on centers.

Standard Quantity—10.

Weight, Approx. 17 lbs.

Code: Permaflexor No. 57 including Adapter No. 1256.....

SHOFISEV

Permaflexor No. 57-R including Adapter No. 1256-R.....

SHOFISEVER

Application—Primarily for high and very shallow windows, height from two to three times the depth, or windows in which the display is placed low in the window as for instance jewelry and shoe windows. Excellent for narrow island windows installed around the four sides thereof. Also good for other display lighting service such as rug racks, quotation boards, building fronts and entrances; choirs and sanctuaries of churches; handball, squash, indoor badminton or tennis; art galleries and museums; and indirect cove lighting.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 8 1/2 inches.

Lamp Size—

100 watt A-23, Adapter in compressed position.
150 watt A-25, Adapter in extended position.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3/4 or B-1-4 use Adapter No. 1256 attached directly to Socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3/4 or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Colored Lighting: Use

Color-Lite—No. 5, No. 6, or No. 6-DB for external mounting. No. 61 or No. 61-DB for use with flush mounting ring No. 55.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 55-A with Flush Mounting Ring No. 55.
No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 55.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 1-A.

For Louvered Lighting: Use

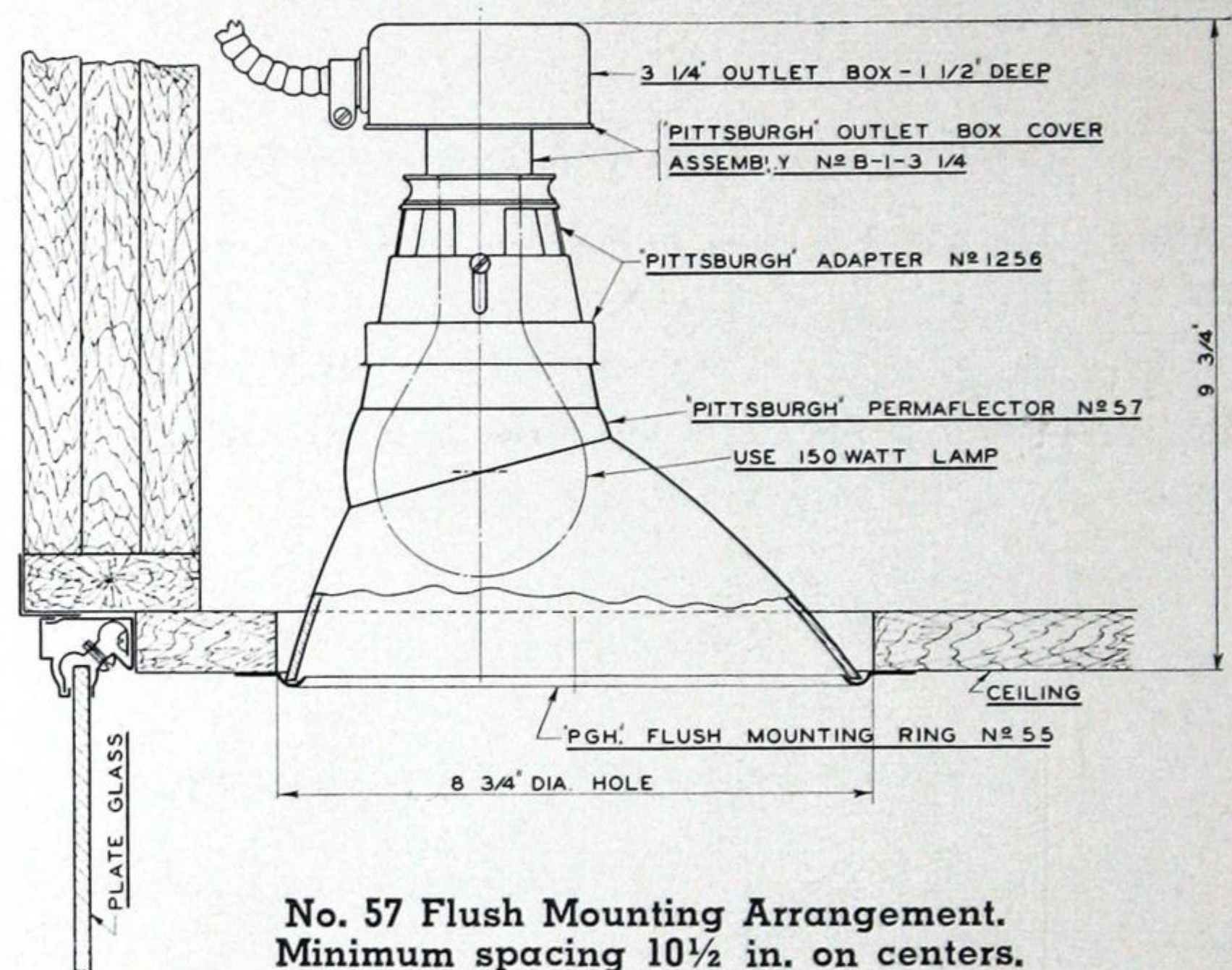
Parallel Louver—

No. EM-55 for External Mounting.
No. FM-55 for use with Flush Mounting Ring No. 55.

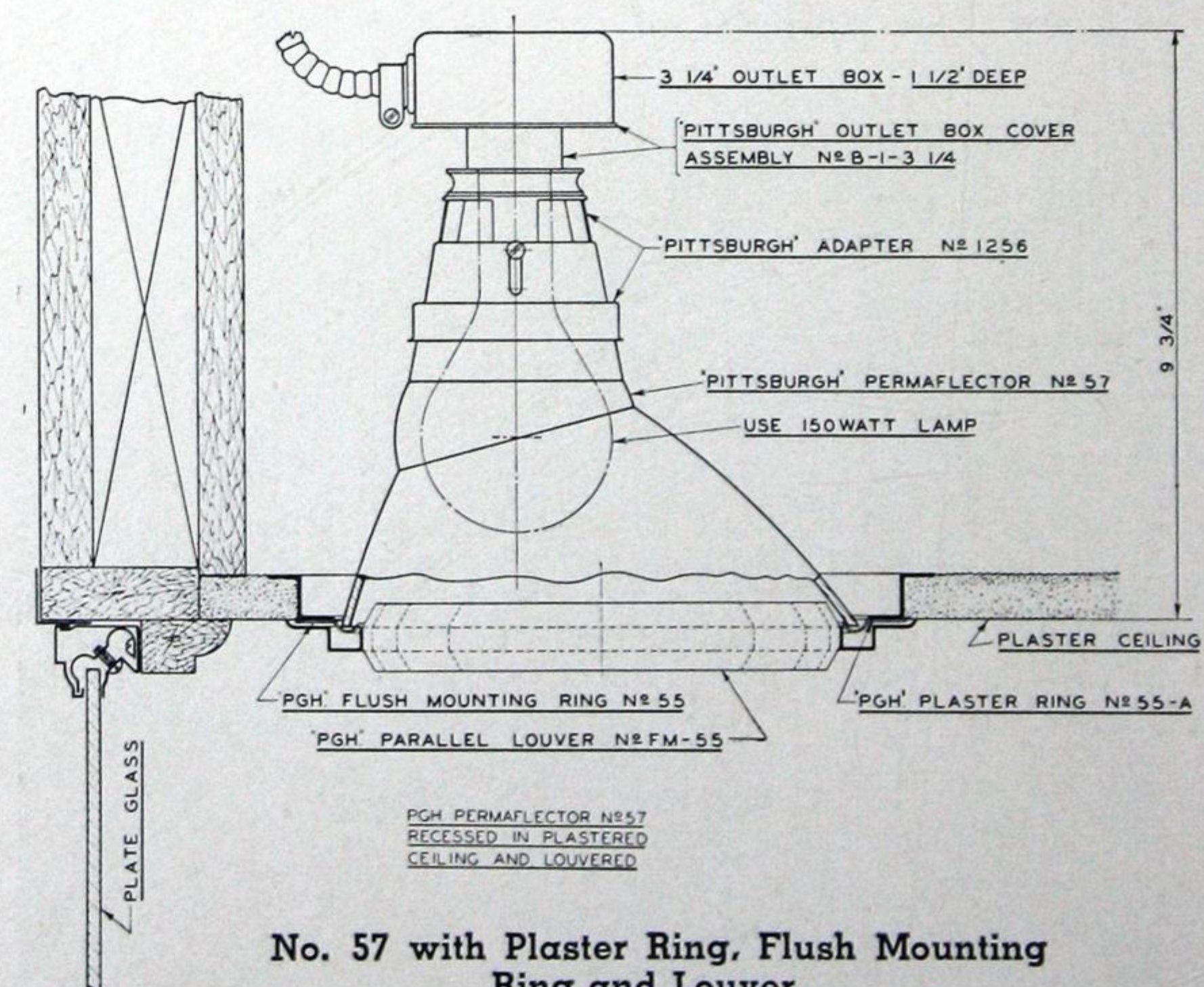
Eccentric Louver—

No. EM-88-CA for External Mounting.
No. FM-88-CA for use with Flush Mounting Ring No. 55.

Hinged Concentric Louver—No. 1-A.



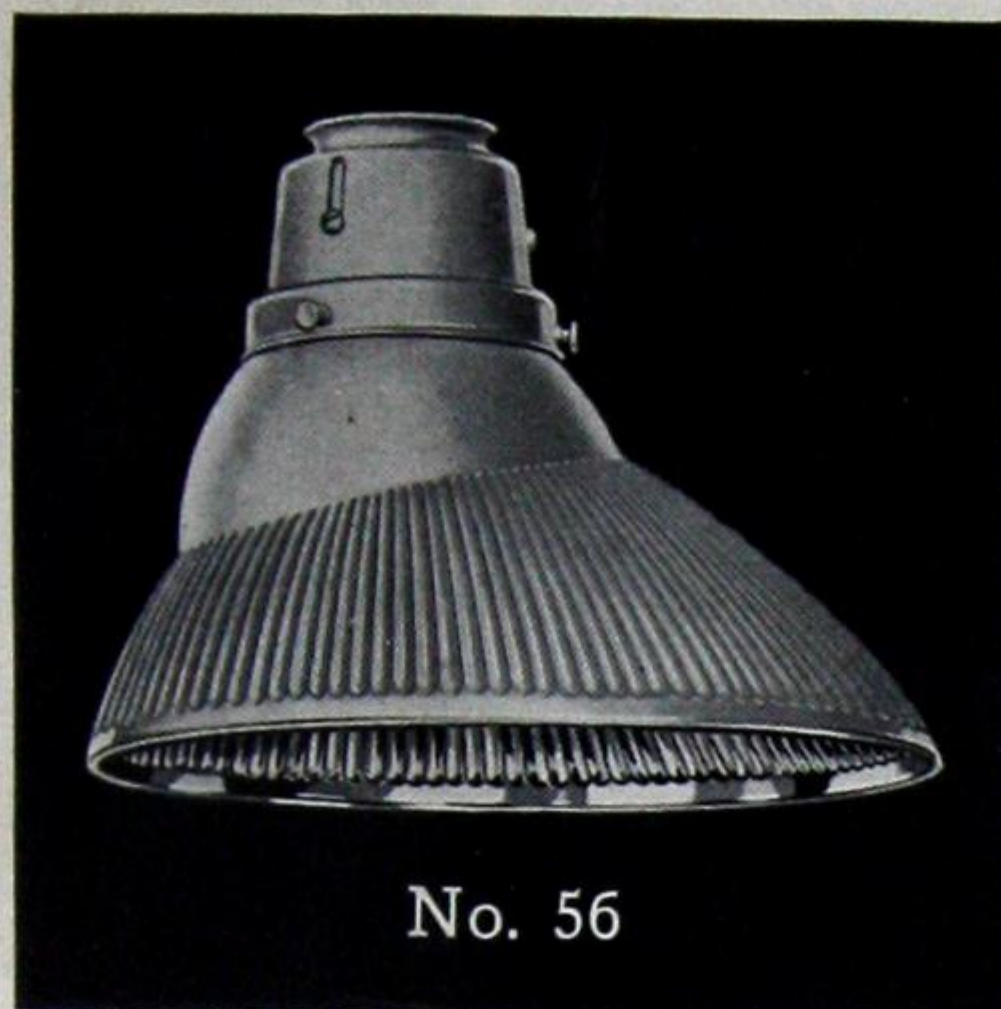
No. 57 Flush Mounting Arrangement.
Minimum spacing 10 1/2 in. on centers.



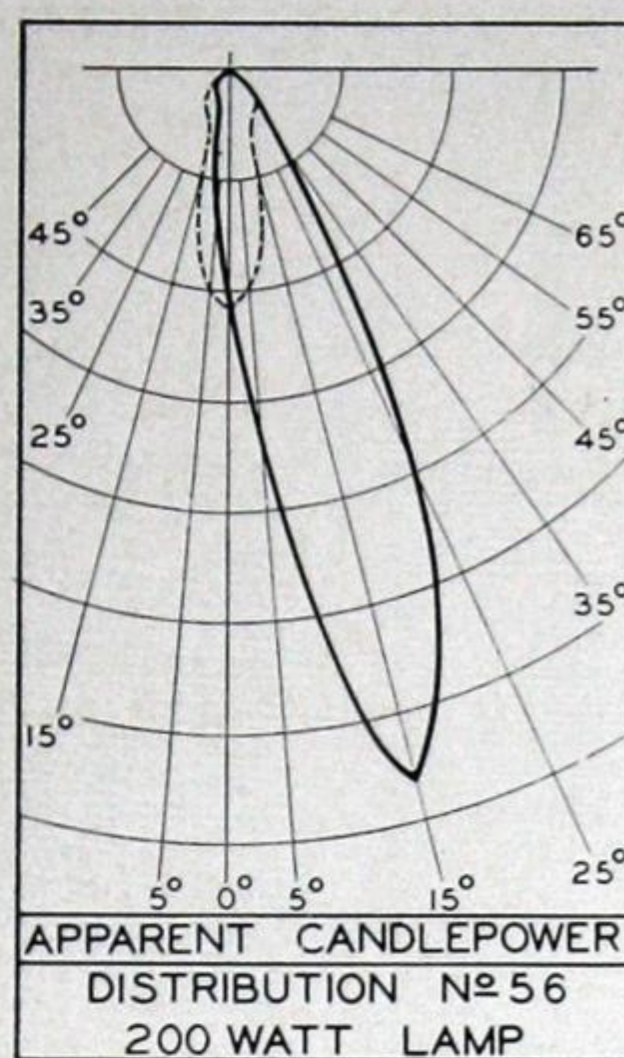
No. 57 with Plaster Ring, Flush Mounting Ring and Louver.
Minimum spacing 11 in. on centers.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permalector No. 56 and 56-R



No. 56



Standard Quantity—8.

Weight, Approx. 18 lbs.

Code: Permalector No. 56 including Adapter

No. 1234

SHOFISIX

Permalector No. 56-R including Adapter

No. 1234-R

SHOFISIXER

Application—Primarily for high and very shallow windows, height from two to three times the depth, or windows in which the display is placed low in the window, as for instance jewelry and shoe windows. Excellent for narrow island windows installed around the four sides thereof. Also good for other display lighting service such as rug racks, quotation boards, building fronts and entrances; choirs and sanctuaries of churches; handball, squash, indoor badminton or tennis; art galleries and museums; and indirect cove lighting.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 9½ inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.

200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2¼" Form 'OB' holder with Adapter No. 1234; with grooved porcelain socket use Adapter No. 1234-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-¾ or B-1-4 use Adapter No. 1234 attached directly to Socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-¾ or B-1-4 with Adapter No. 1234.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1234. No. 12 or No. 62 with Adapter No. 1234-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2, No. 2-DB or No. 21.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 54 with Flush Mounting Ring No. 54.

No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 54

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.

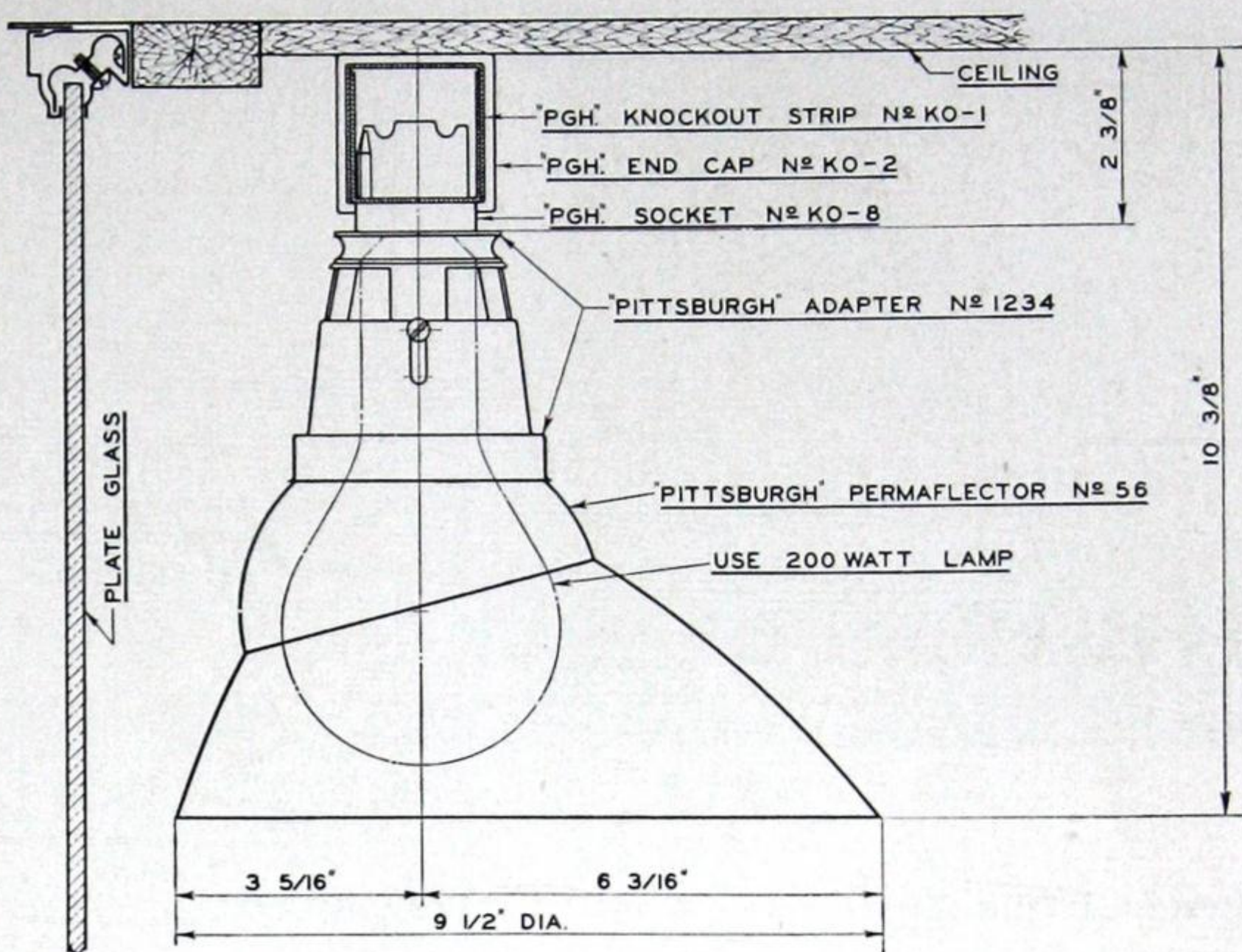
No. FM-54 for use with Flush Mounting Ring No. 54.

Eccentric Louver—

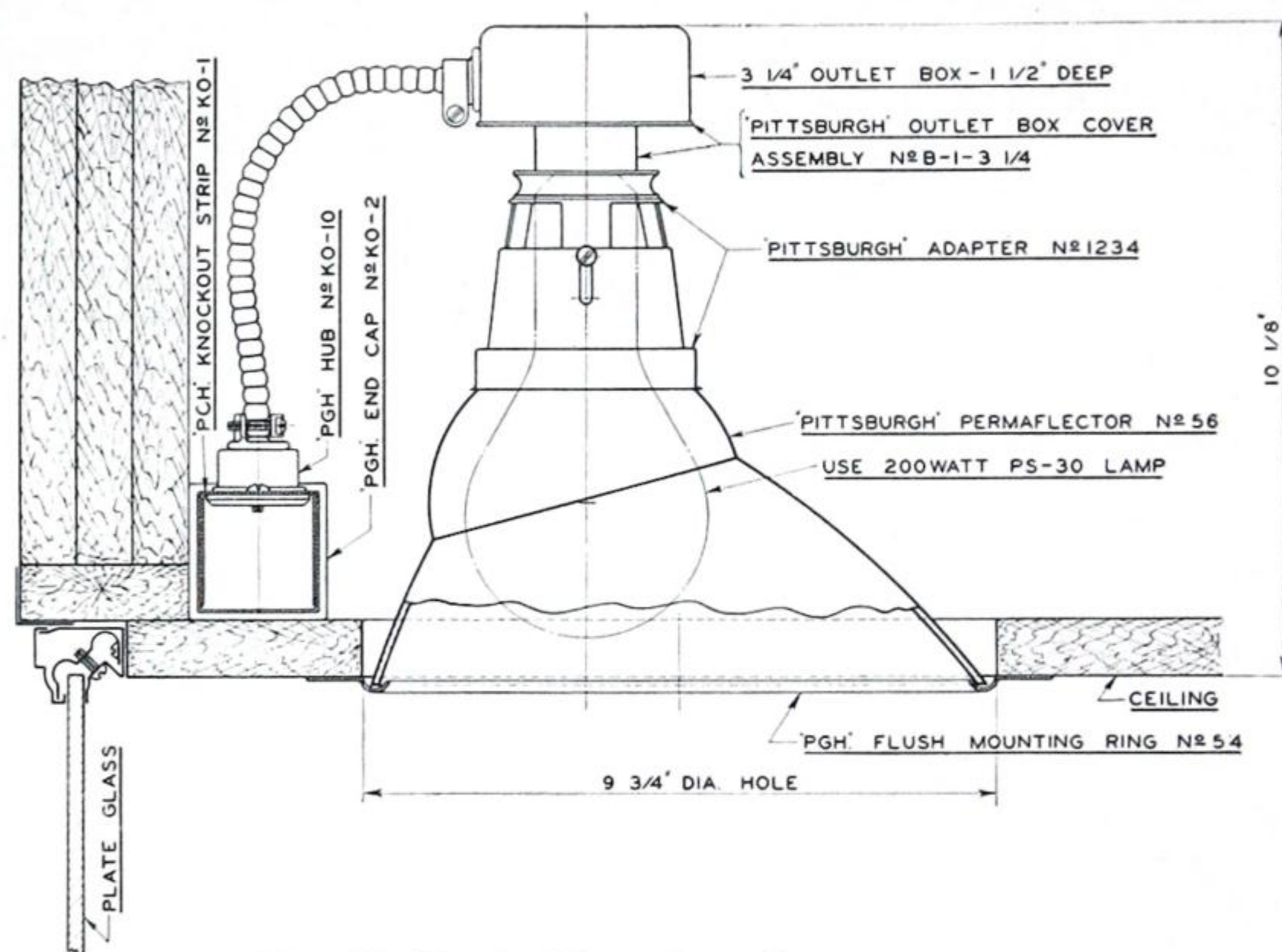
No. EM-99-CA for External Mounting.

No. FM-99-CA for use with Flush Mounting Ring No. 54.

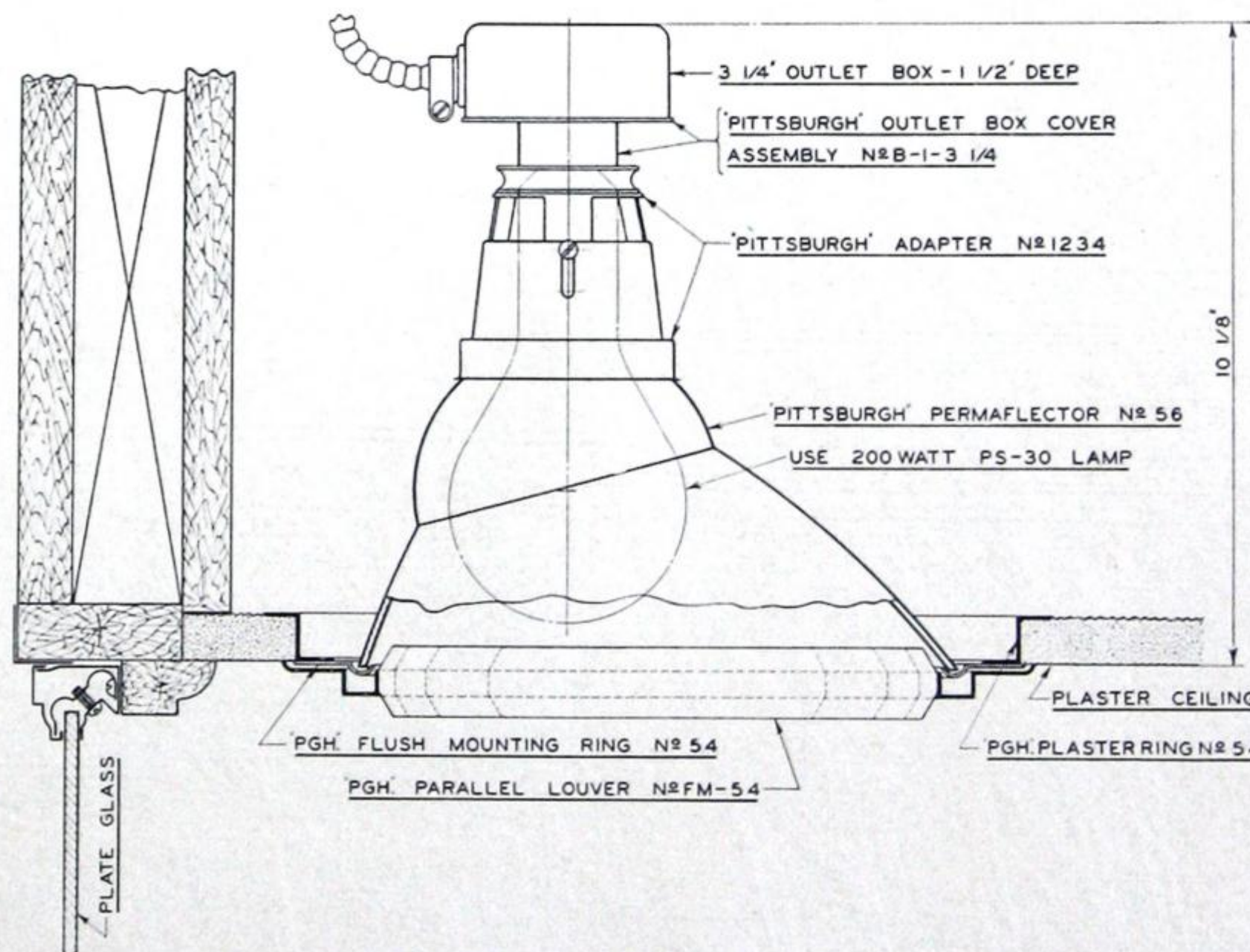
Hinged Concentric Louver—No. 6



No. 56 General Arrangement.
Minimum spacing 10½ in. on centers.



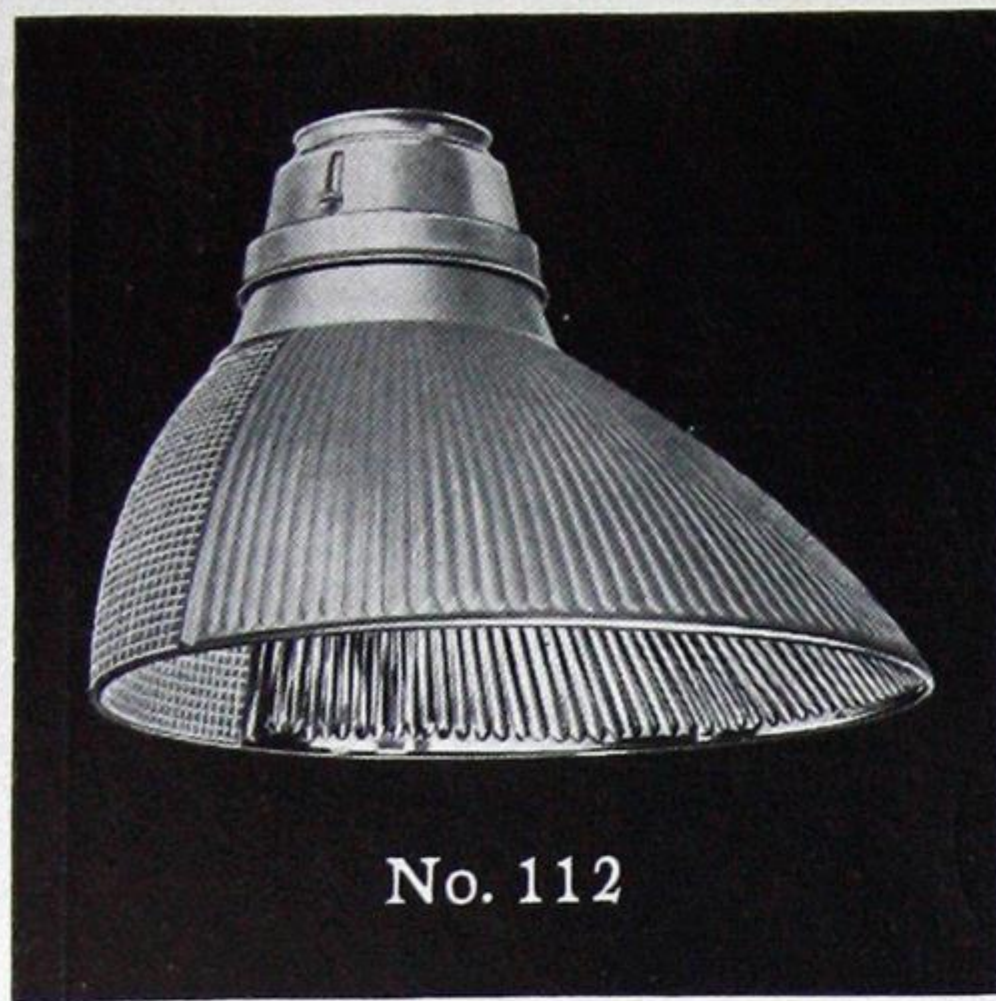
No. 56 Flush Mounting Arrangement.
Minimum spacing 12 in. on centers.



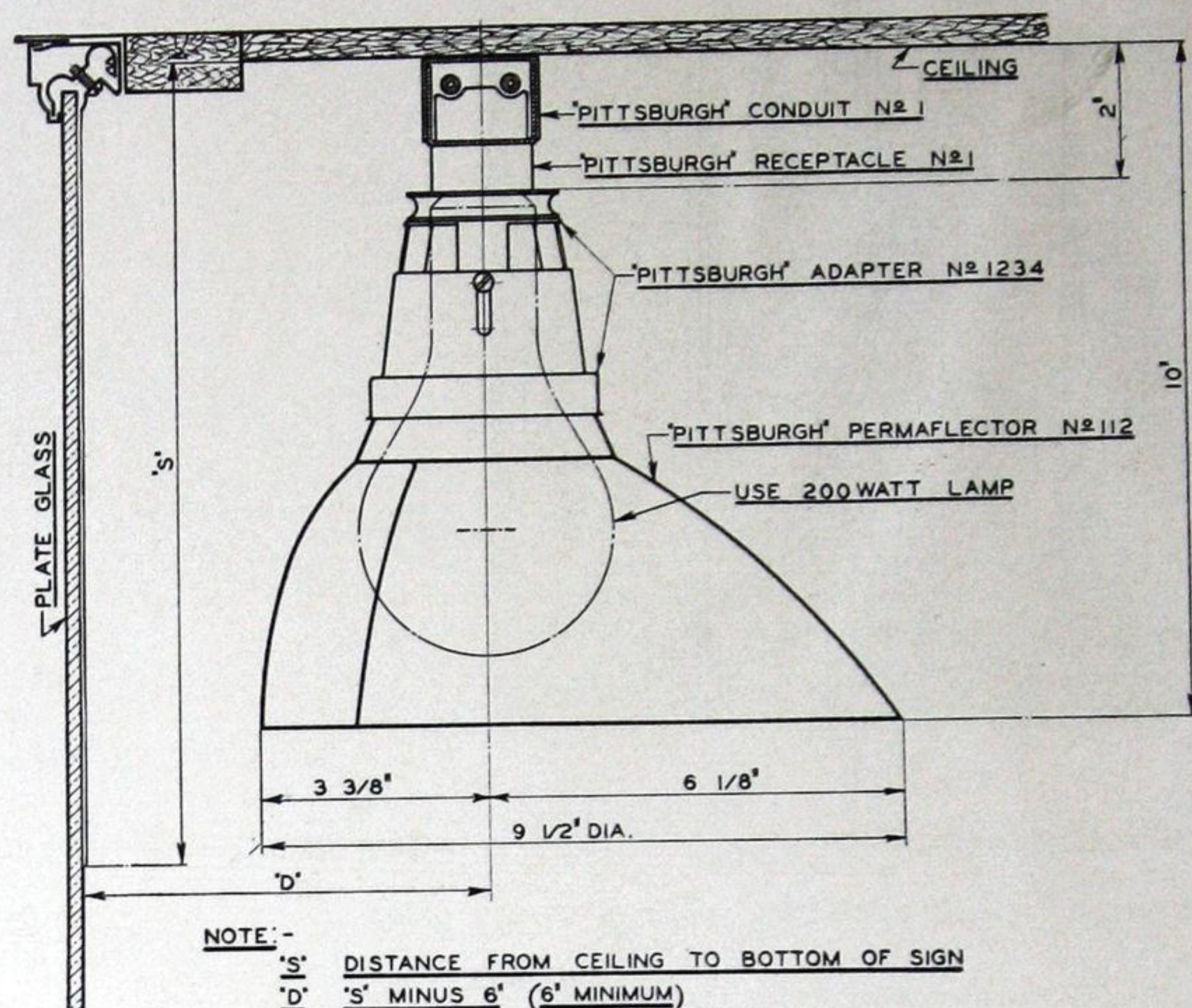
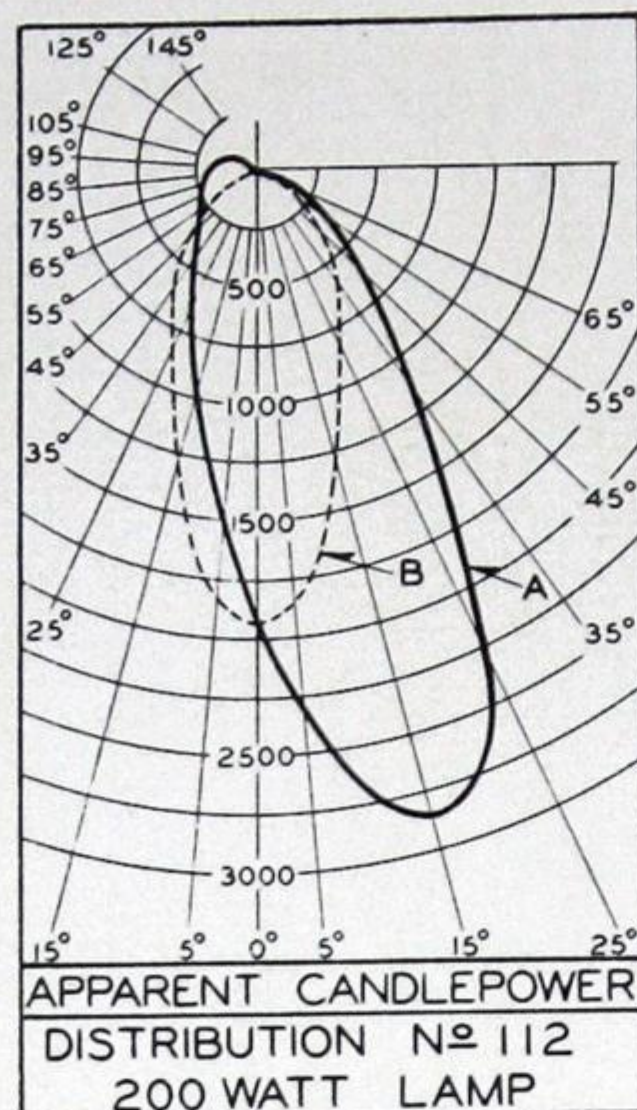
No. 56 with Plaster Ring, Flush Mounting Ring and Louver.
Minimum spacing 12½ in. on centers.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflexor No. 112 and 112-R



No. 112



Permaflexor No. 112 General Arrangement.

Standard Quantity—8.

Weight, Approx. 18 lbs.

Code: Permaflexor No. 112 with Adapter No. 1234

HUNTWELFOR

Permaflexor No. 112-R with Adapter No. 1234-R

HUNTWELFIR

If desired for use with 100 watt A-23 lamp, substitute Adapter No. 1256 or 1256-R.

Application—For the dual service of lighting sign at top of window as well as the display. Bottom opening horizontal. If it be desired to recess No. 112 use same auxiliary equipment as for Permaflexor No. 54.

Bottom Opening Circular—Diameter, 9 1/2 inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.
200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder with Adapter No. 1234; with grooved porcelain socket use Adapter No. 1234-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3/4 or B-1-4 use Adapter No. 1234 attached directly to socket.

May Be Installed with:

Outlet Box Cover Assembly—No. B-1-3/4 or B-1-4 with Adapter No. 1234.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1234. No. 12 or No. 62 with Adapter No. 1234-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2 or No. 2-DB.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.

Eccentric Louver—

No. EM-54-CA for External Mounting.

SPACING RECOMMENDED FOR DUAL SERVICE

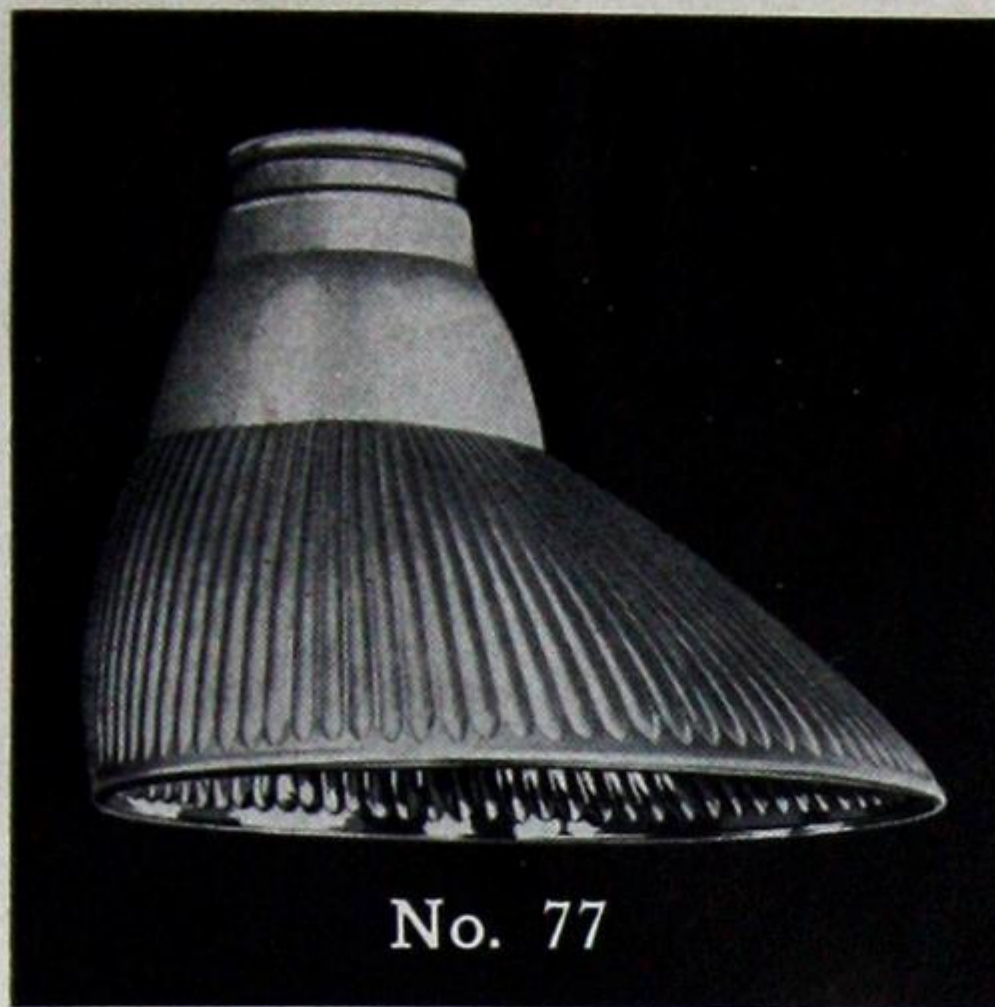
With maximum depth of sign, in.	Receptacles should be distant from the glass, in.	Maximum spacing between reflectors, in.
12	6	12
13	7	14
14	8	16
15	9	18
16	10	20
17	11	22
18	12	24



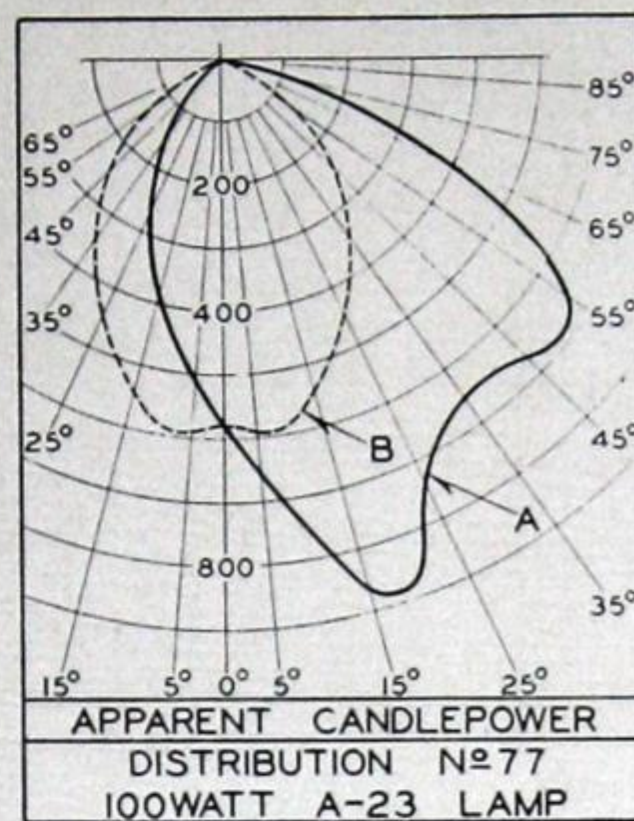
Permaflexors No. 112—light both sign and display.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflexor No. 77



No. 77



Standard Quantity—12.

Weight, Approx. 16 lbs.

Code: Permaflexor No. 77.....SEVTISEN

Application—Permaflexor No. 77, when installed flush in the ceiling, illuminates the full height of the background without the sharp cut-off of the more concentrating reflectors Nos. 55, 54, 57. This is a reflector window display men have been awaiting. Hitherto these desirable results could be secured only by the use of the angle reflectors Nos. 73, 105, 110, 500, which however required angling-off the ceiling at the glass line to conform to the angle of the front of the reflector, a form of construction frequently out of question. Another application of No. 77 is for indirect lighting from wall urns, coves, columns and indirect floor lamps.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 7 inches.

Lamp Size—100 watt A-23.

Holder—With brass shell socket, use 2 1/4" Form 'OB' holder; with grooved porcelain socket use 2 1/4" Form 'OP' holder; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3 1/4 or B-1-4 use 2 1/4" Form 'S' holder attached directly to Socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3 1/4 or B-1-4 with 2 1/4" Form 'S' holder.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2 1/4" Form 'S' holder. No. 12, or No. 62 with 2 1/4" Form 'OP' holder.

For Colored Lighting: Use

Color-Lite—No. 16 or No. 16-DB.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 77 with Flush Mounting Ring No. 77.

No. 4 with Hinged Ceiling Roundel No. 4 or Hinged Concentric Louver No. 4.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 77.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 4.

For Louvered Lighting: Use

Parallel Louver—

No. EM-77 for External Mounting.

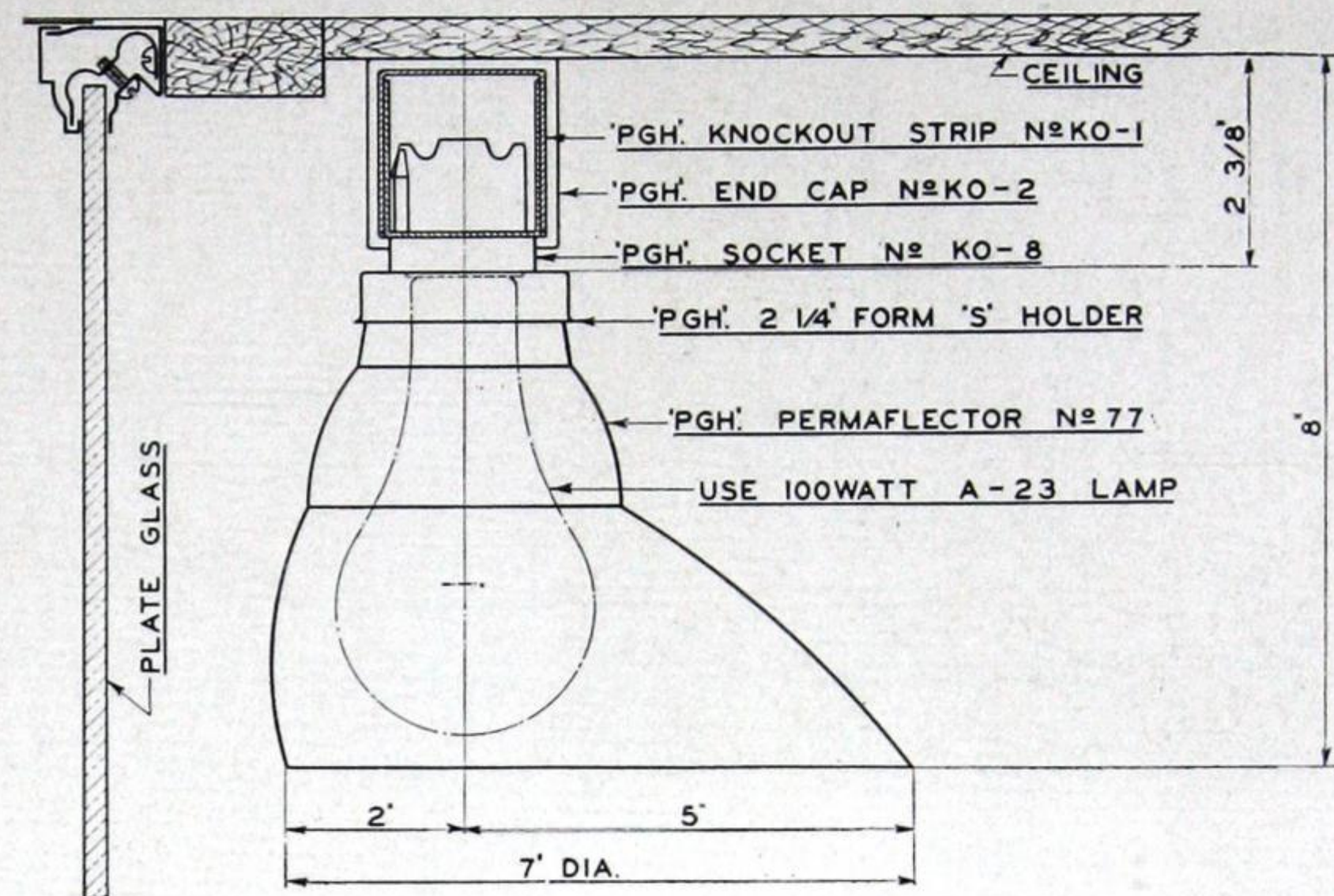
No. FM-77 for use with Flush Mounting Ring No. 77.

Eccentric Louver—

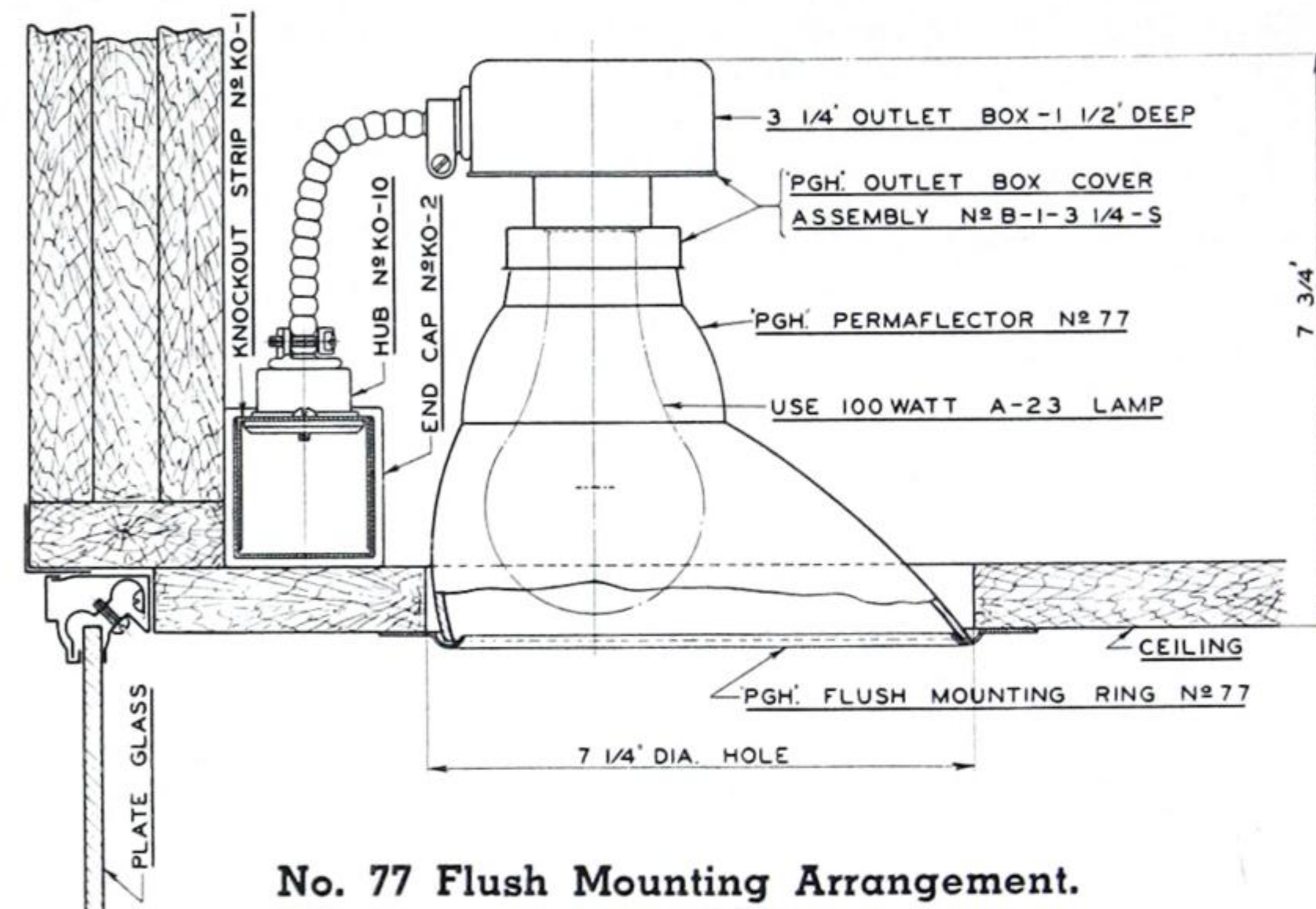
No. EM-77-CA for External Mounting.

No. FM-77-CA for use with Flush Mounting Ring No. 77.

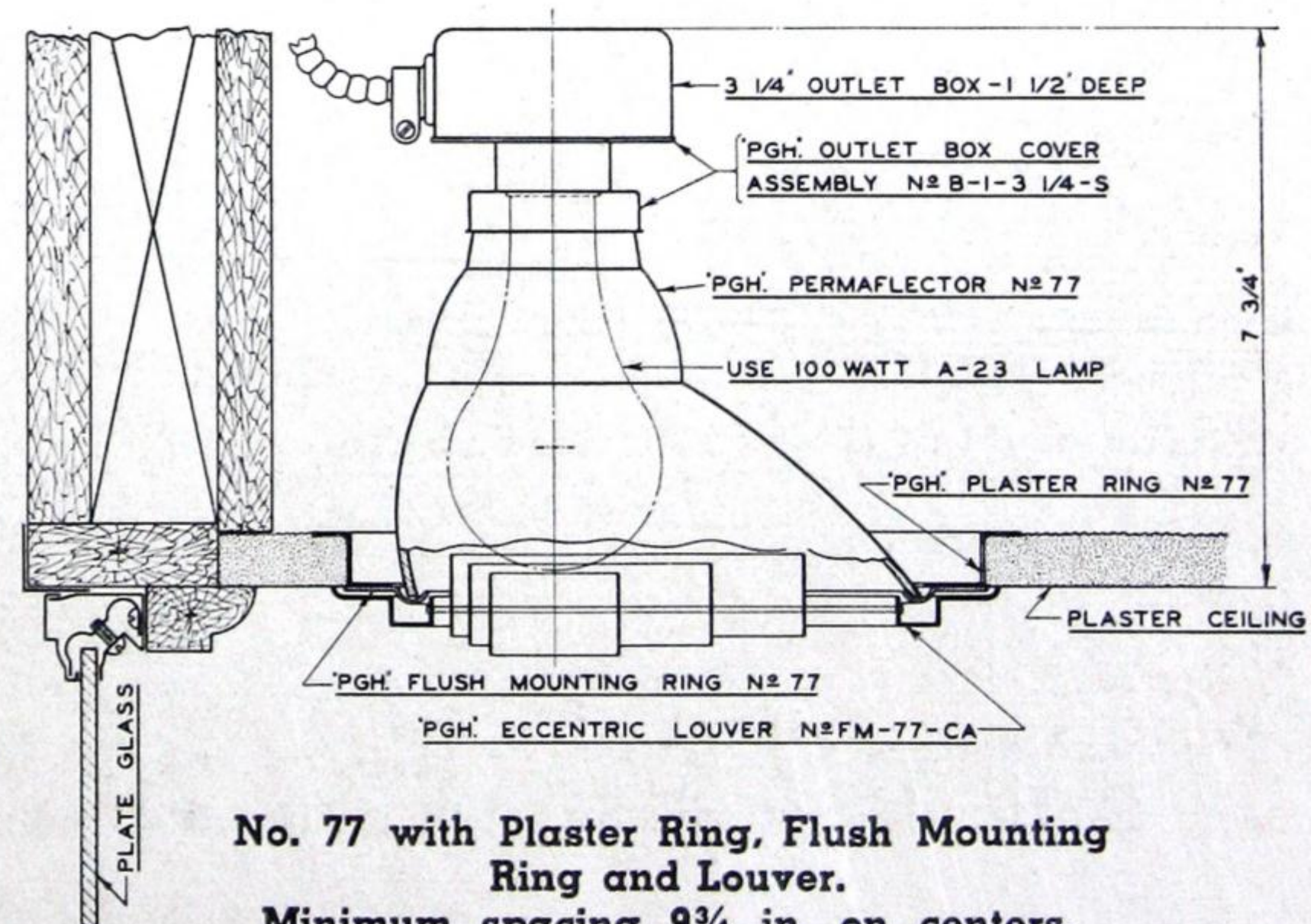
Hinged Concentric Louver—No. 4.



No. 77 General Arrangement.
Minimum spacing 7 1/2 in. on centers.

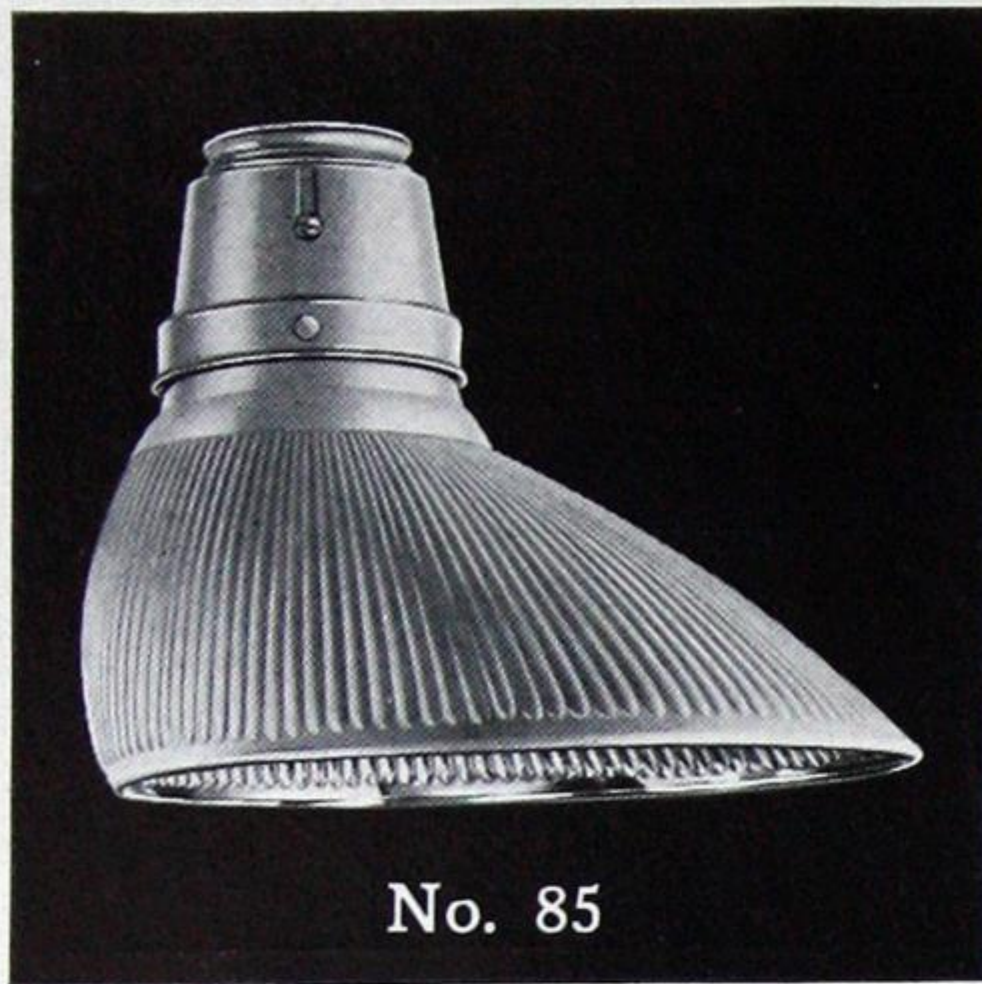


No. 77 Flush Mounting Arrangement.
Minimum spacing 9 1/2 in. on centers.

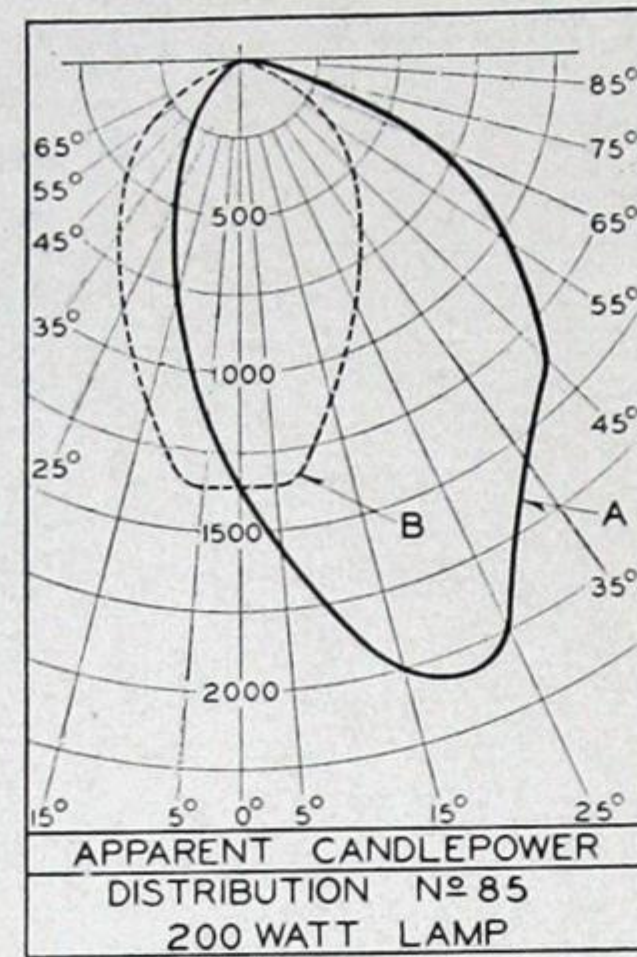


No. 77 with Plaster Ring, Flush Mounting Ring and Louver.
Minimum spacing 9 3/4 in. on centers.

Permaflector No. 85 and 85-R



No. 85



Standard Quantity—6.

Weight, Approx. 12 lbs.

Code: Permaflector No. 85 including Adapter No. 1234

SHOATFI

Permaflector No. 85-R including Adapter No. 1234-R

SHOATFIAR

Application—Permaflector No. 85, when installed flush in the ceiling, illuminates the full height of the background without the sharp cut-off of the more concentrating reflectors Nos. 55, 54, 57. This is the reflector window display men have been awaiting. Hitherto these desirable results could be secured only by the use of the angle reflectors Nos. 73, 105, 110, 500, which however required angling-off the ceiling at the glass line to conform to the angle of the front of the reflector, a form of construction frequently out of question. Another application of No. 85 is for indirect lighting from wall urns, coves, columns and indirect floor lamps.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 8 1/2 inches.

Lamp Size—

150 watt A-25, in compressed position.
200 watt PS-30, in extended position.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder with Adapter No. 1234; with grooved porcelain socket use Adapter No. 1234-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3/4 or B-1-4 use Adapter No. 1234 attached directly to Socket.

May Be Installed with:

Outlet Box Cover Assembly—No. B-1-3/4 or B-1-4 with Adapter No. 1234.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1, with Adapter No. 1234. No. 12 or No. 62 with Adapter No. 1234-R.

For Colored Lighting: Use

Color-Lite—No. 5, No. 6, or No. 6-DB for external mounting. No. 61 or No. 61-DB for use with flush mounting ring No. 55.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 55-A with Flush Mounting Ring No. 55.
No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use Flush Mounting Ring—No. 55.

When Recessed in Ceiling and Concealed: Use Hinged Ceiling Roundel—No. 1-A.

For Louvered Lighting: Use

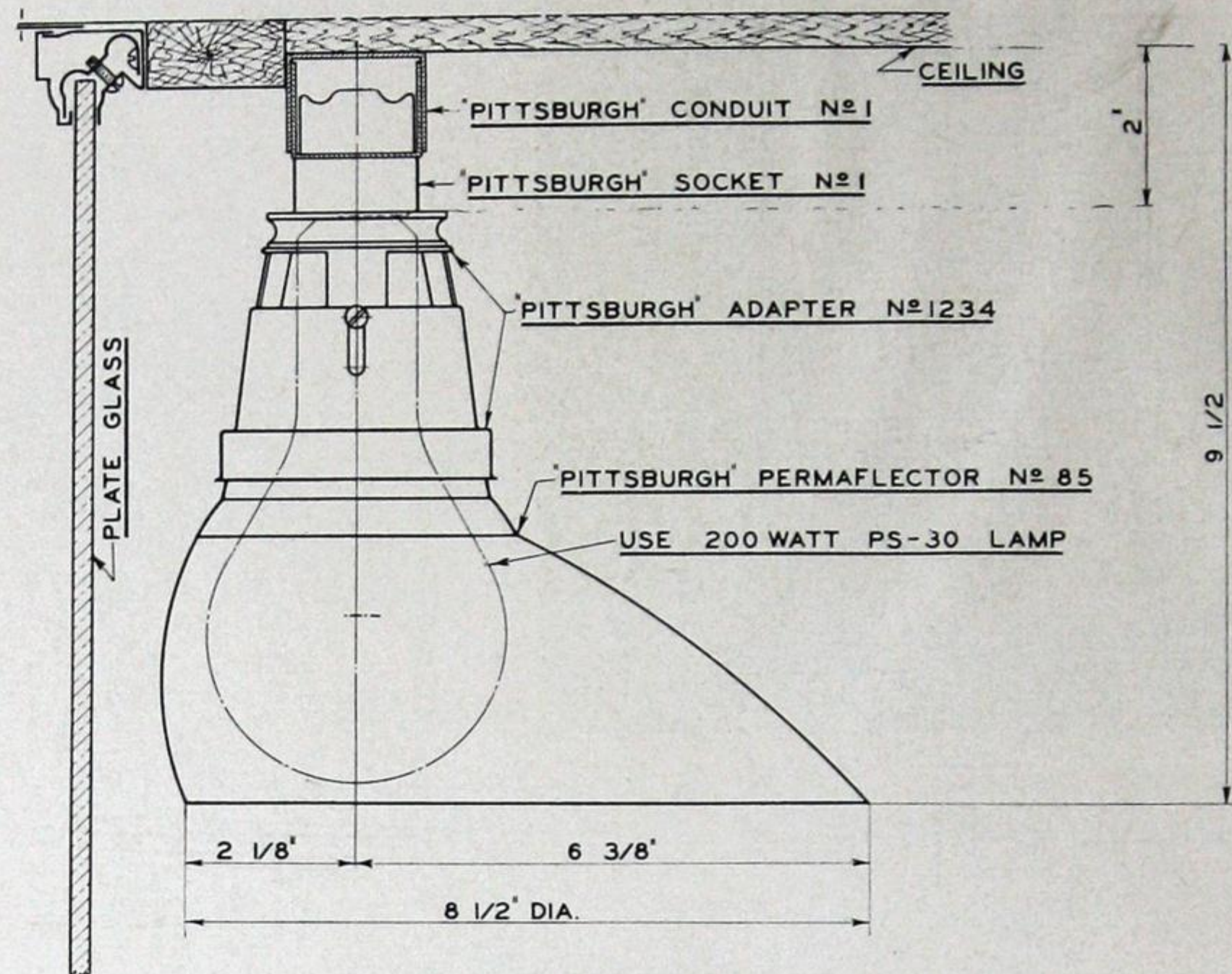
Parallel Louver—

No. EM-55 for External Mounting.
No. FM-55 for use with Flush Mounting Ring No. 55.

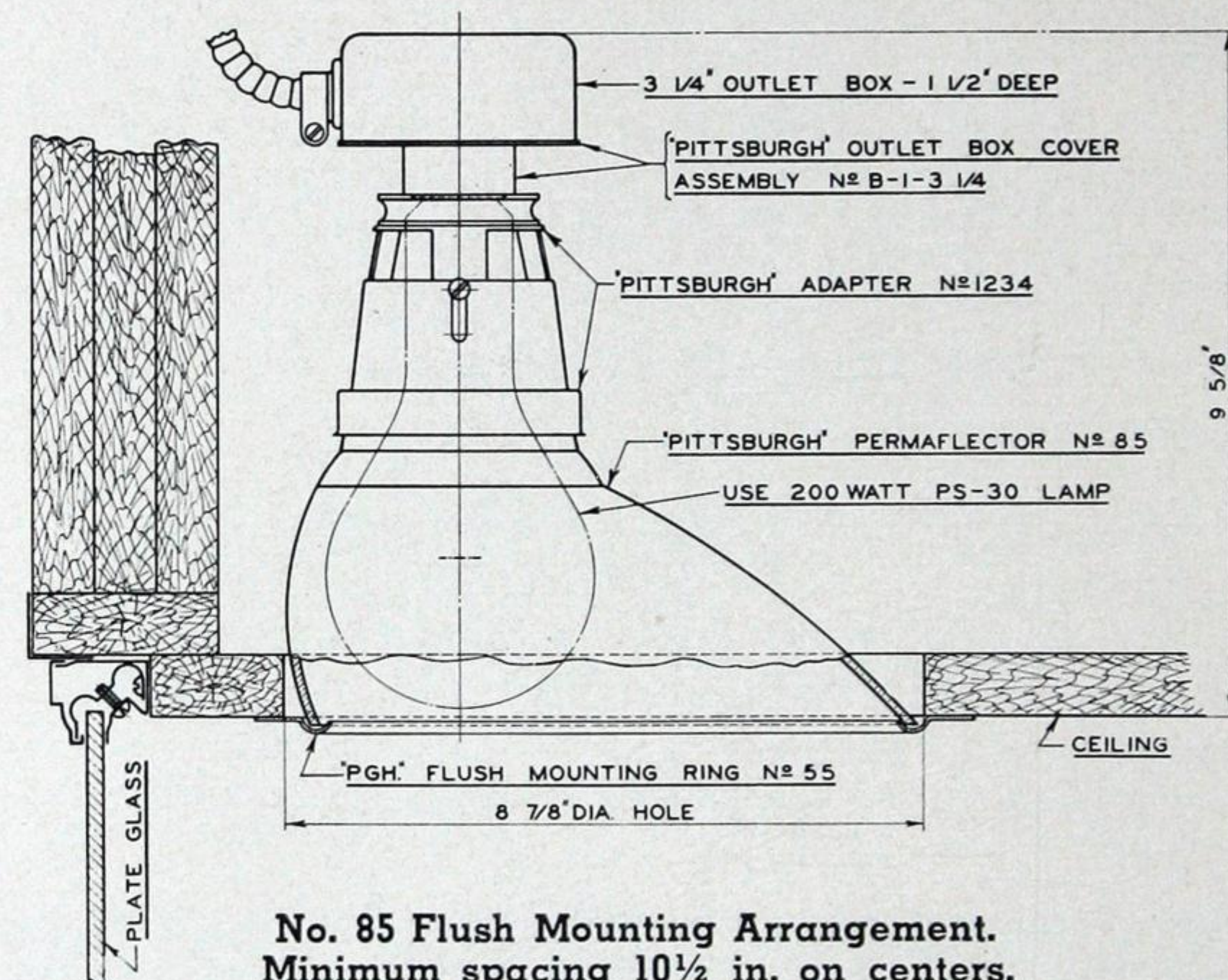
Eccentric Louver—

No. EM-88-CA for External Mounting.
No. FM-88-CA for use with Flush Mounting Ring No. 55.

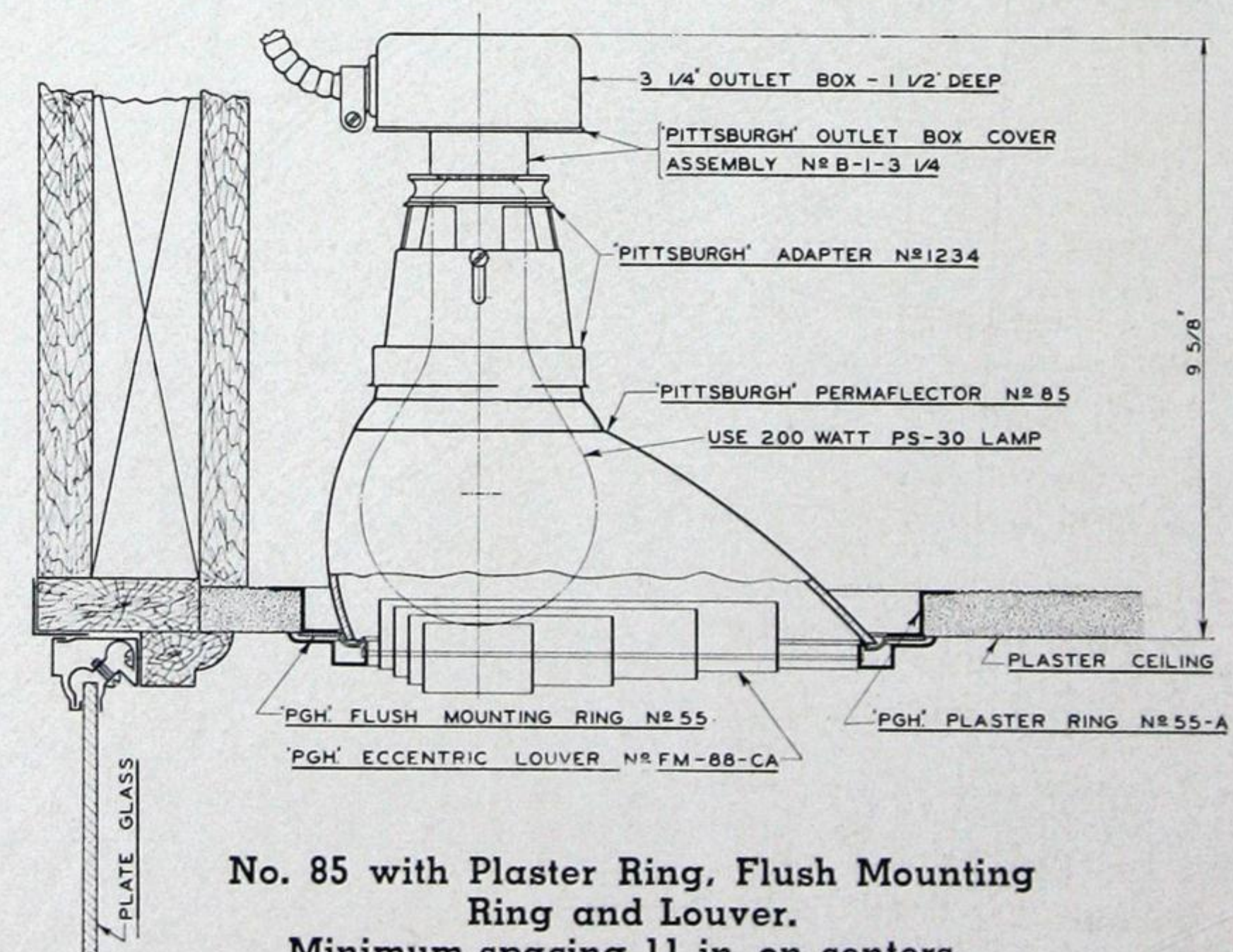
Hinged Concentric Louver—No. 1-A.



No. 85 General Arrangement.
Minimum spacing 9 in. on centers.



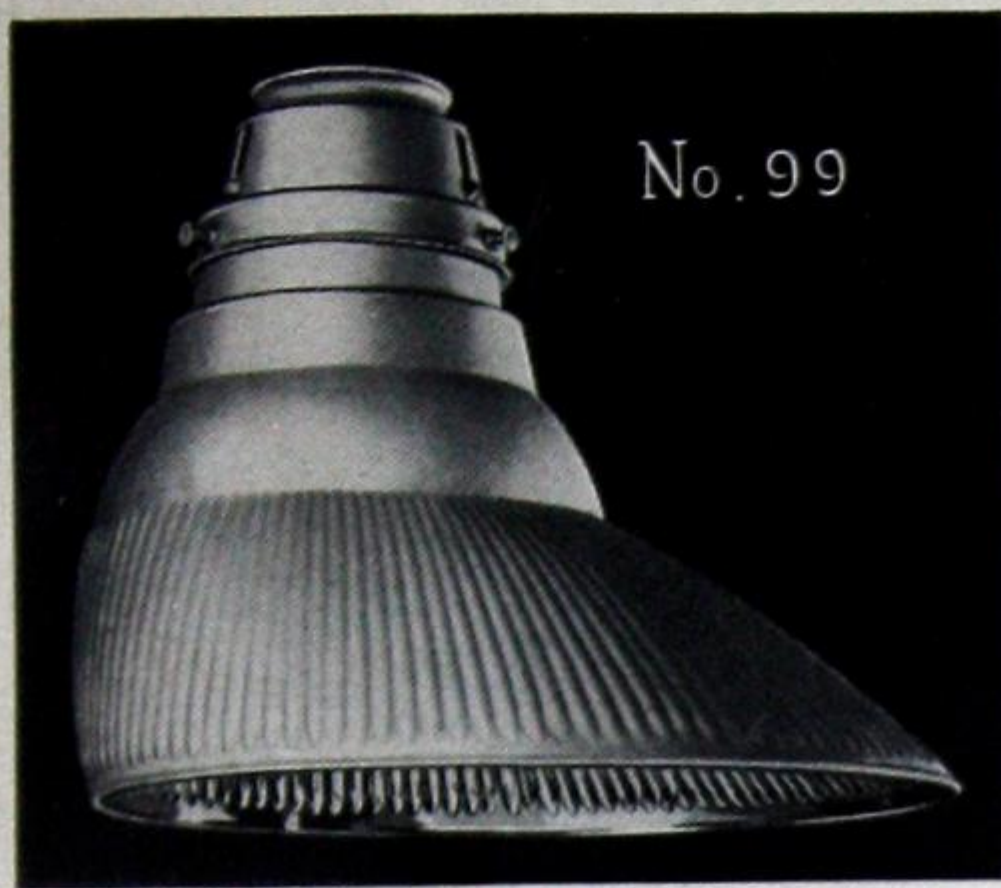
No. 85 Flush Mounting Arrangement.
Minimum spacing 10 1/2 in. on centers.



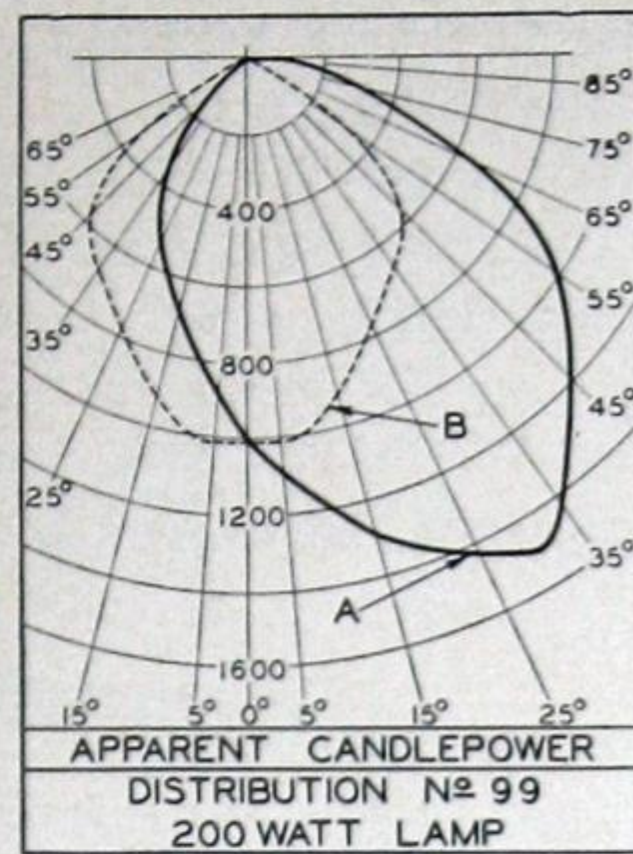
No. 85 with Plaster Ring, Flush Mounting Ring and Louver.
Minimum spacing 11 in. on centers.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflector No. 99 and 99-R



No. 99



Standard Quantity—4.

Weight, Approx. 11 lbs.

Code: Permaflector No. 99 including Adapter No. 1256

SHONINE

Permaflector No. 99-R including Adapter No. 1256-R

SHONINER

Application—Permaflector No. 99, when installed flush in the ceiling, illuminates the full height of the background without the sharp cut-off of the more concentrating reflectors Nos. 55, 54, and 57. This is the reflector window display men have been awaiting. Hitherto these desirable results could be secured only by the use of the angle reflectors Nos. 73, 105, 110, 500, which however required angling-off the ceiling at the glass line to conform to the angle of the front of the reflector, a form of construction frequently out of question. Another application of No. 99 is for indirect lighting from wall urns, coves, columns and indirect floor lamps.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 9 1/2 inches.

Lamp Size—200 watt PS-30, Adapter in compressed position.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket, use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3-1/4, or B-1-4, use Adapter No. 1256 attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3-1/4 or B-1-4 with Adapter No. 1256.

May Be Mounted On:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256 R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2, No. 2-DB for external mounting. No. 21 or No. 21-DB for use with Flush Mounting Ring No. 54.

When Recessed in Plaster Ceiling: Use

Plaster Ring—No. 54, with Flush Mounting Ring No. 54. No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use Flush Mounting Ring—No. 54.

When Recessed in Ceiling and Concealed: Use Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.

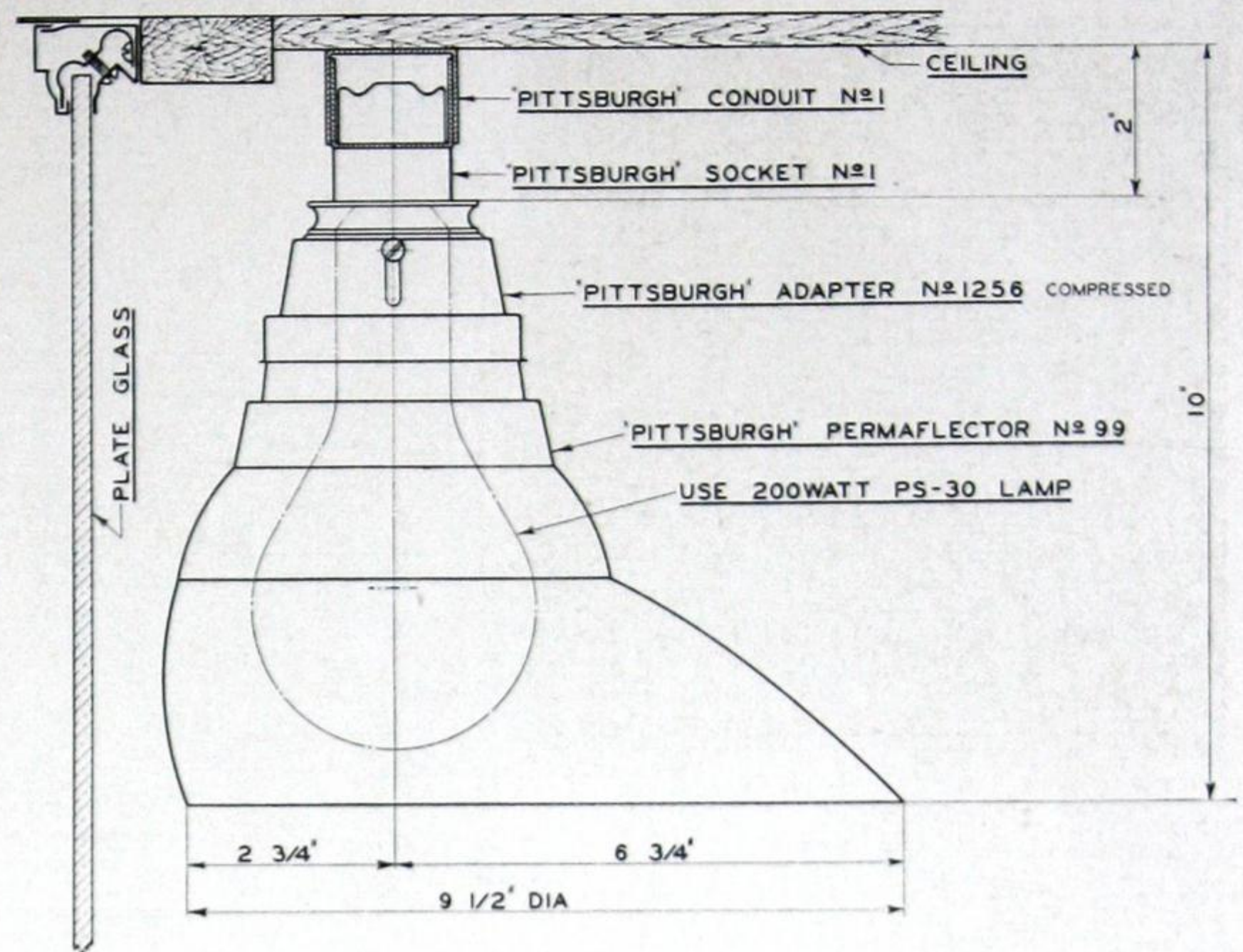
No. FM-54 for use with Flush Mounting Ring No. 54.

Eccentric Louver—

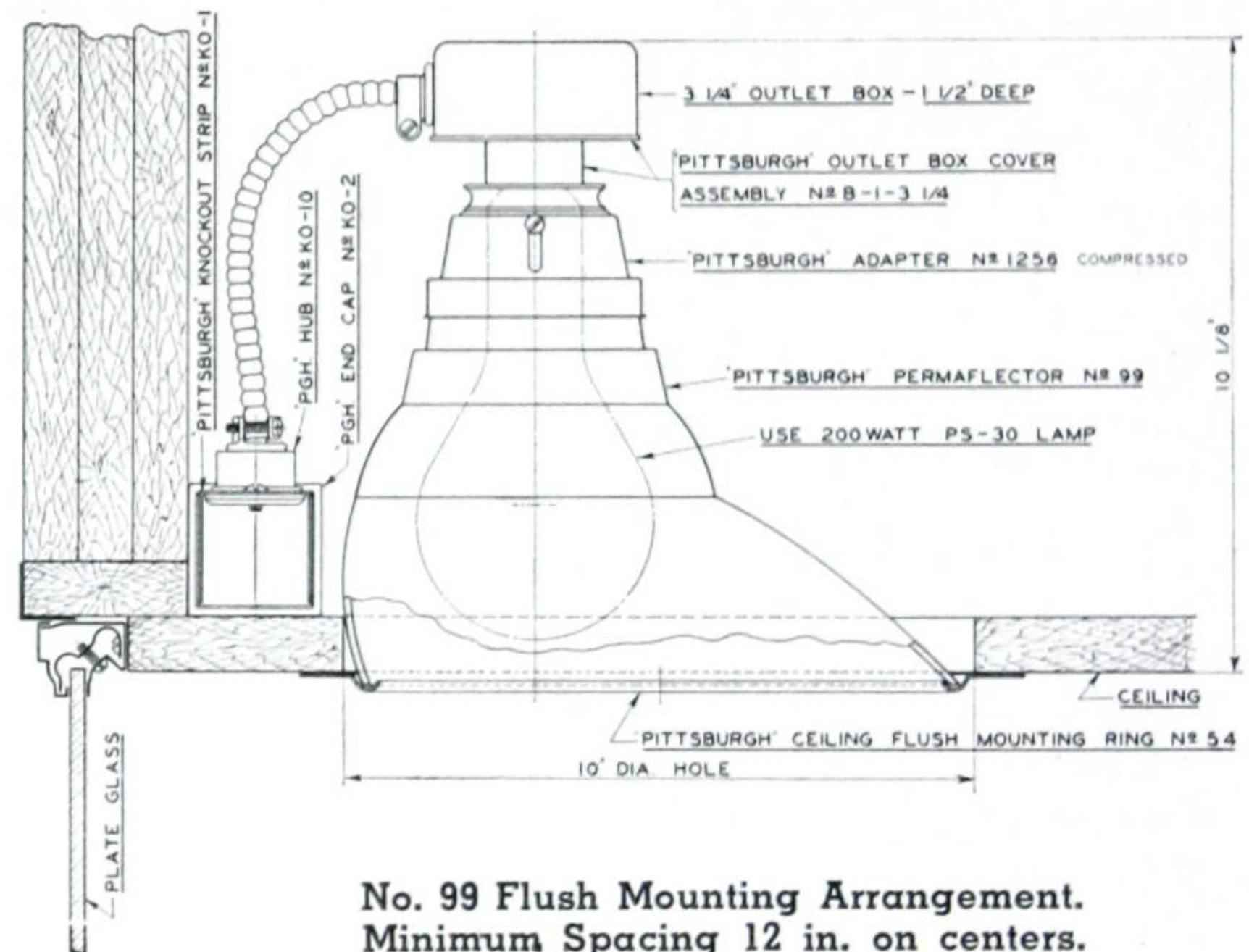
No. EM-99-CA for External Mounting.

No. FM-99-CA for use with Flush Mounting Ring No. 54.

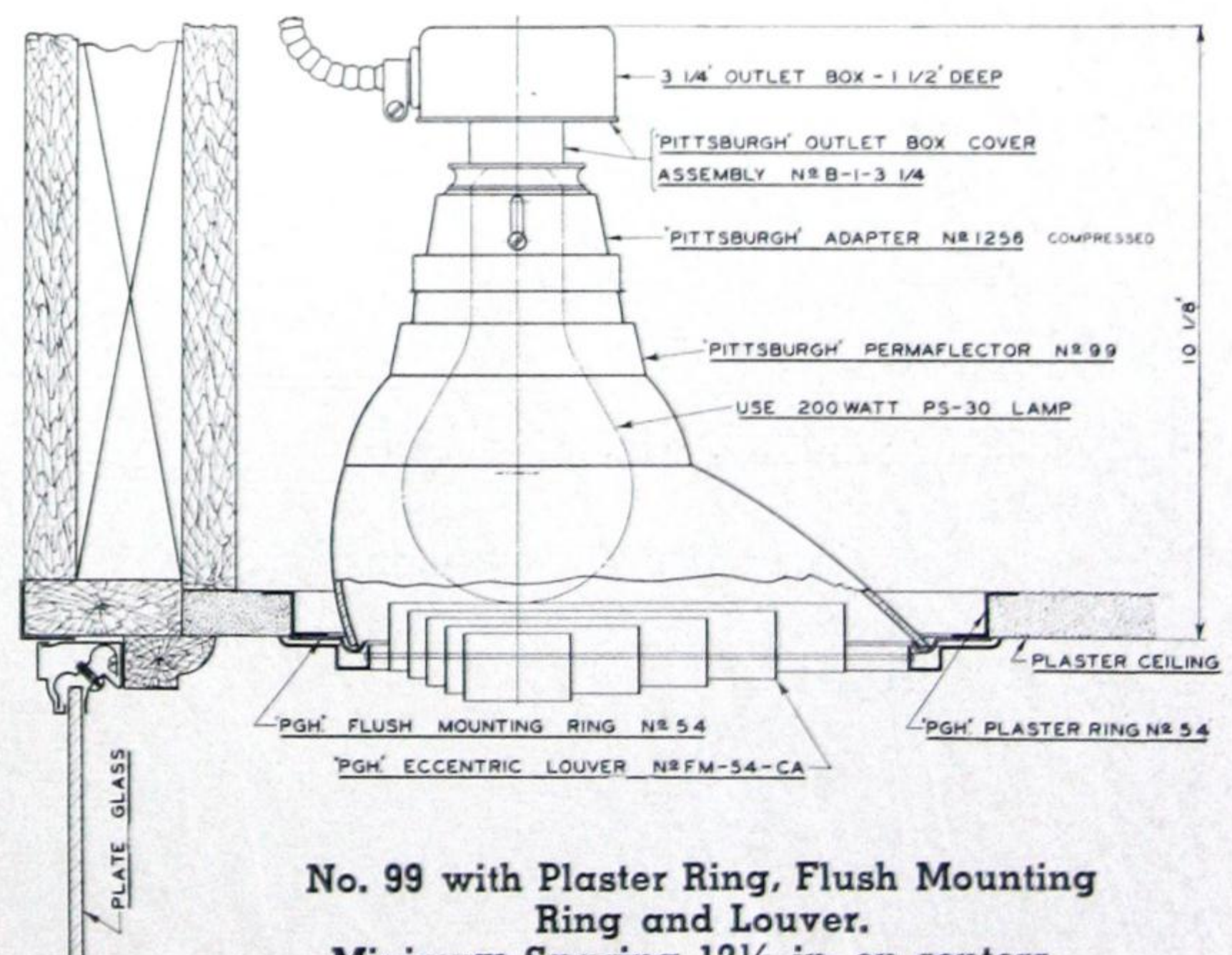
Hinged Concentric Louver—No. 6.



No. 99 General Arrangement.
Minimum Spacing 10 1/2 in. on centers.

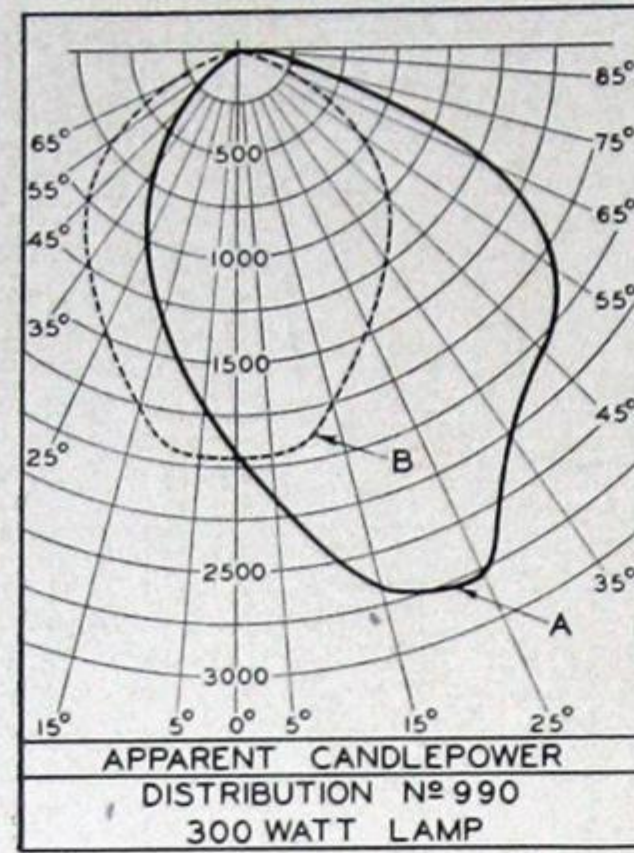
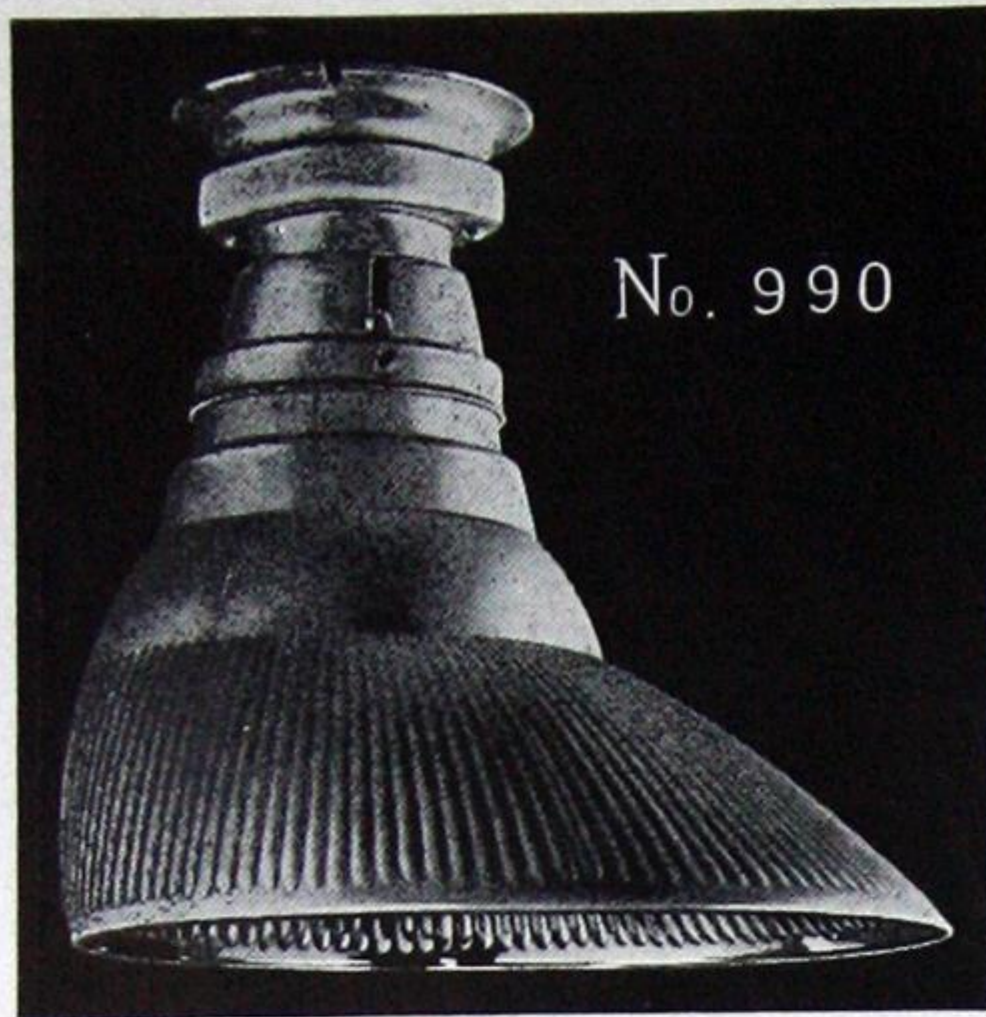


No. 99 Flush Mounting Arrangement.
Minimum Spacing 12 in. on centers.



No. 99 with Plaster Ring, Flush Mounting Ring and Louver.
Minimum Spacing 12 1/2 in. on centers.

Permaflexor No. 990 Series



Standard Quantity—4.

Weight, Approx. 14 lbs.

Code: Permaflexor No. 990 including Outlet Box Cover Assembly No. B-3 and Adapter No. 42 compressed.....**NININO**
Permaflexor No. 990-GO (Glass only).....**SHONINGO**

Application—Permaflexor No. 990, when installed flush in the ceiling, illuminates the full height of the background without the sharp cutoff of the more concentrating reflector No. 55. This is the reflector window display men have been awaiting. Hitherto these desirable results could be secured only by the use of the angle reflector No. 500, which however required angling-off the ceiling at the glass line to conform to the angle of the front of the reflector, a form of construction frequently out of question. Another application of No. 990 is for indirect lighting from wall urns, coves, columns and indirect floor lamps.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 9½ inches.

Lamp Size—

500 watt PS-40 for indirect lighting, **base down only.**
300 watt PS-35 any position.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3 and Adapter No. 42 compressed. Attaches to any standard 4-inch outlet box 1½ inches deep.

May Be Mounted on:

Conduit—No. 6 in which case discard outlet box cover.

For Colored Lighting: Use

Color-Lite—No. 2, No. 2 DB, or No. 21.

When Recessed in Plaster Ceiling: Use Plaster Ring—

No. 54 with Flush Mounting Ring No. 54.
No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use Flush Mounting Ring—No. 54.

When Recessed in Ceiling and Concealed: Use Hinged Ceiling Roundel—No. 6.

For Louvered Lighting (Adapter Extended): Use

Parallel Louver—

No. EM-54 for External Mounting.
No. FM-54 for use with Flush Mounting Ring No. 54.

Eccentric Louver—

No. EM-99-CA for External Mounting.
No. FM-99-CA for use with Flush Mounting Ring No. 54.

Hinged Concentric Louver—No. 6.

Permaflexor No. 990-B

Standard Quantity—4.

Weight, Approx. 14 lbs.

Code—Permaflexor No. 990-B including Box No. KO-11, Mogul Socket No. 4 and Adapter No. 42 compressed.....**NININOB**

Lamp Size—

500 watt PS-40 for indirect lighting, **base down only.**
300 watt PS-35 any position.

Permaflexor No. 990-B same as Permaflexor No. 990 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Permaflexor No. 990-3

For Use With Three-Light Lamp

Standard Quantity—4.

Weight, Approx. 14 lbs.

Code—Permaflexor No. 990-3 including Outlet Box Cover Assembly No. B-33 and Adapter No. 42 compressed.....**NINITRE**

Lamp Size—

200-300-500 watt PS-40 Three-Light for indirect lighting, **base down only.**
150-200-350 watt PS-35 Three-Light any position.

Permaflexor No. 990-3 same as Permaflexor No. 990 except equipped with Outlet Box Cover Assembly No. B-33.

Permaflexor No. 990-3B

For Use With Three-Light Lamp

Standard Quantity—4.

Weight, Approx. 14 lbs.

Code—Permaflexor No. 990-3B including Box No. KO-11, Three Light Mogul Socket No. 5 and Adapter No. 42 compressed**NININOTREB**

Lamp Size—

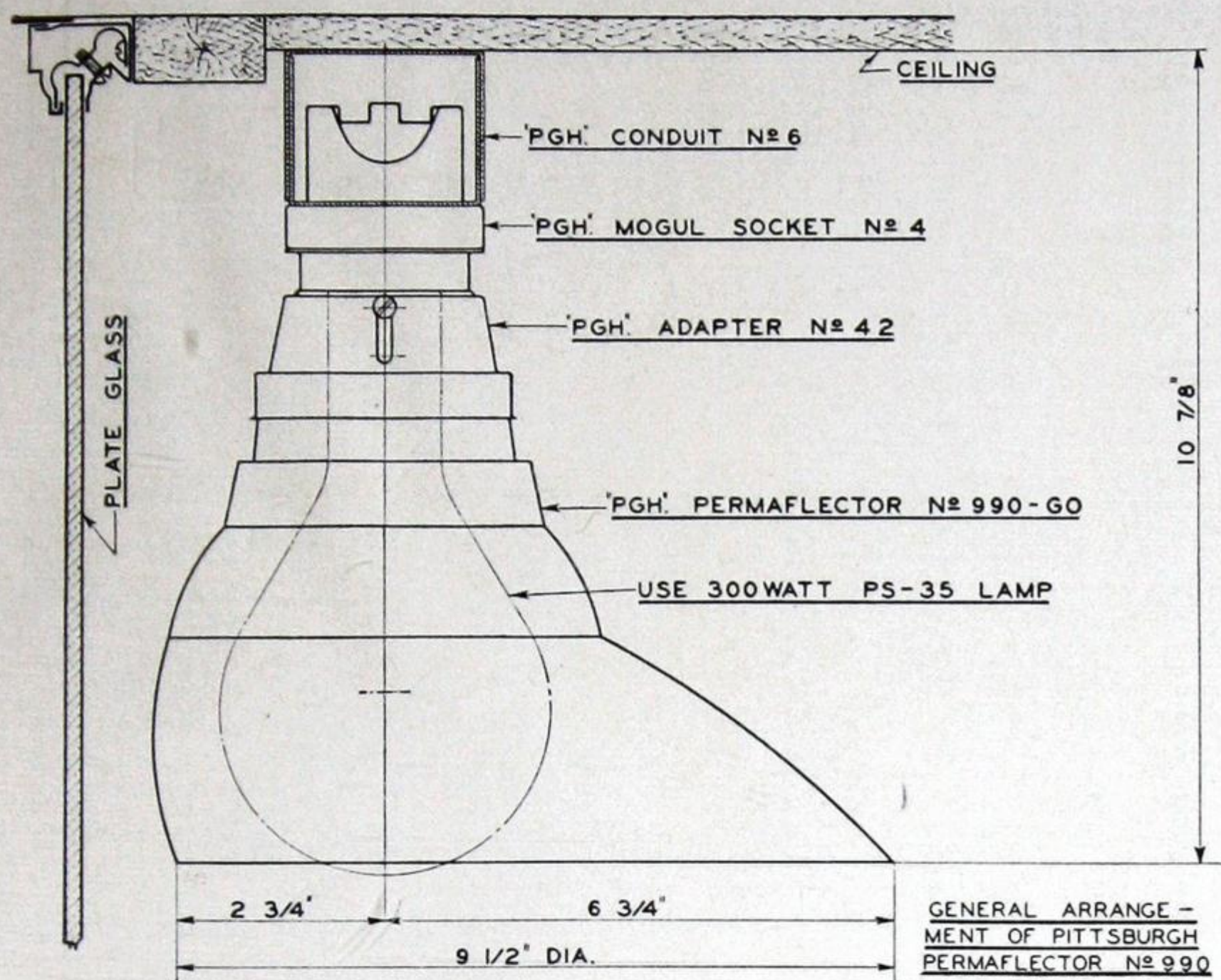
200-300-500 watt PS-40 Three-Light for indirecting lighting, **base down only.**
150-200-350 watt PS-35 Three-Light any position.

Permaflexor No. 990-3B same as Permaflexor No. 990-3 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Louvered Window Lighting

In corner windows and island windows, it is desirable to use louvers to conceal lamps and reflecting surfaces of Permaflexors from normal view. In corner windows parallel vane louvers are used, whereas in island windows eccentric louvers provide the desired concealment.

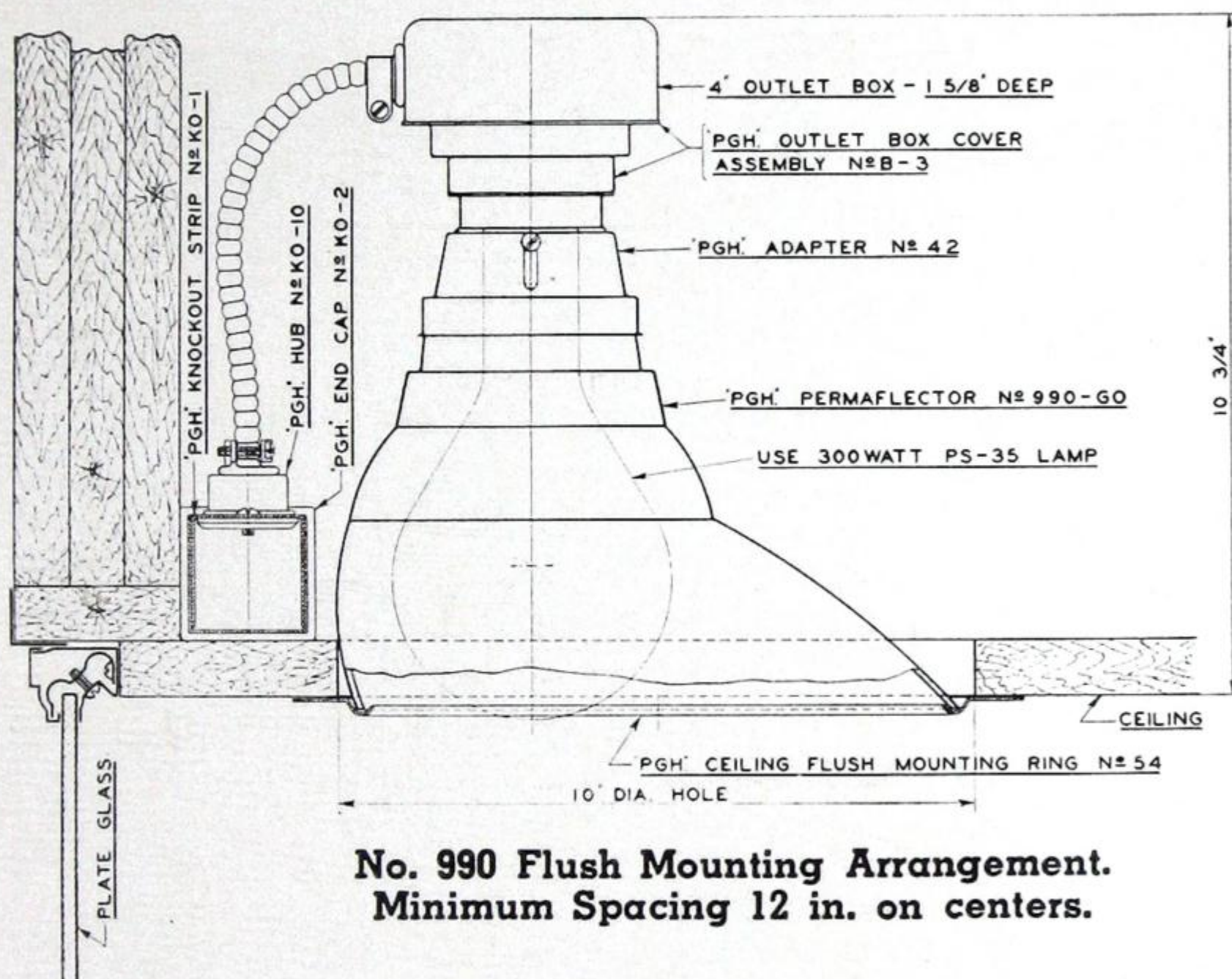
Permaflector No. 990 Series



No. 990 General Arrangement.
Minimum Spacing 10 1/2 in. on centers.



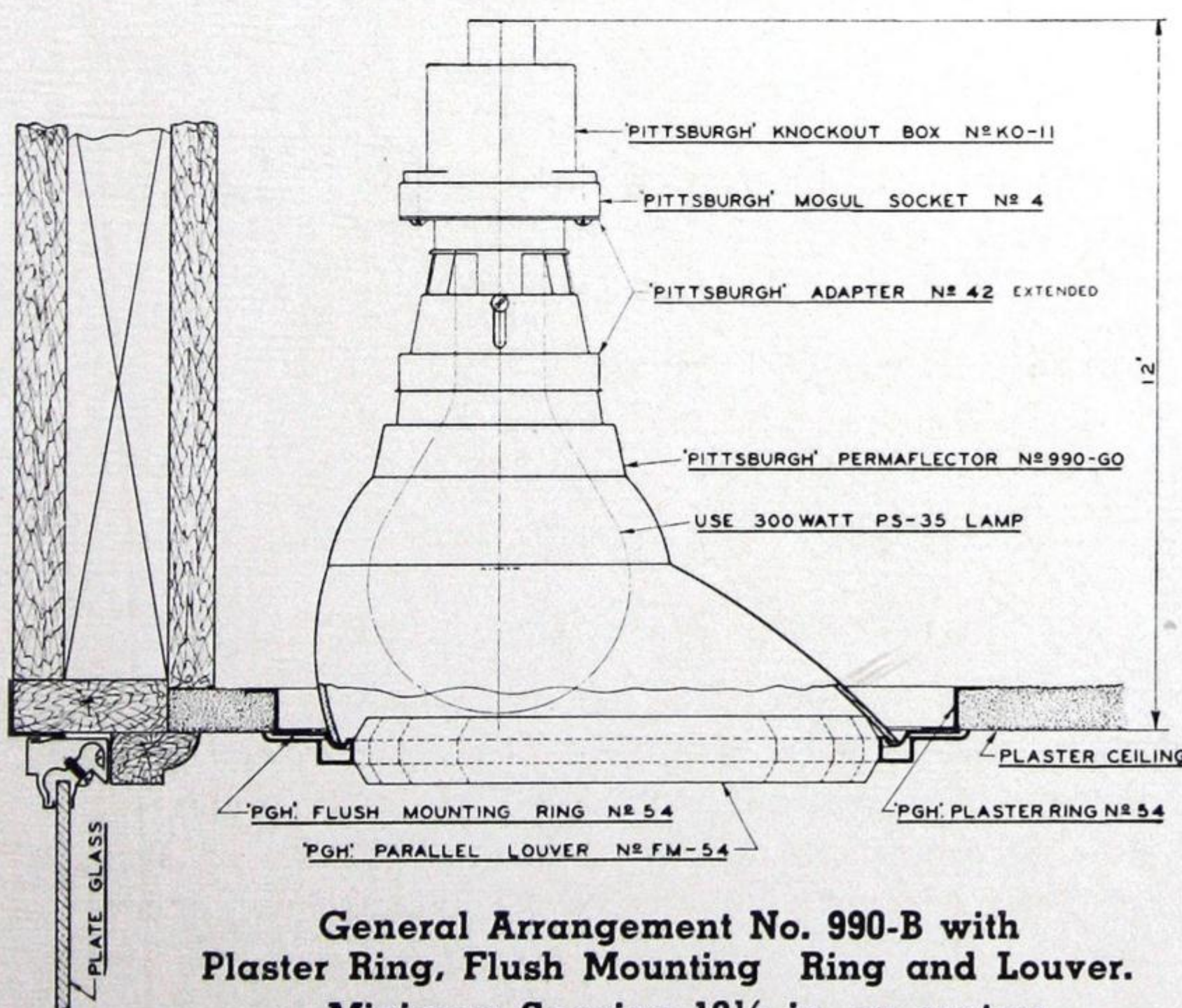
Gimbel Bros., Pittsburgh, Pa., Ceiling Fixtures No. 5025.



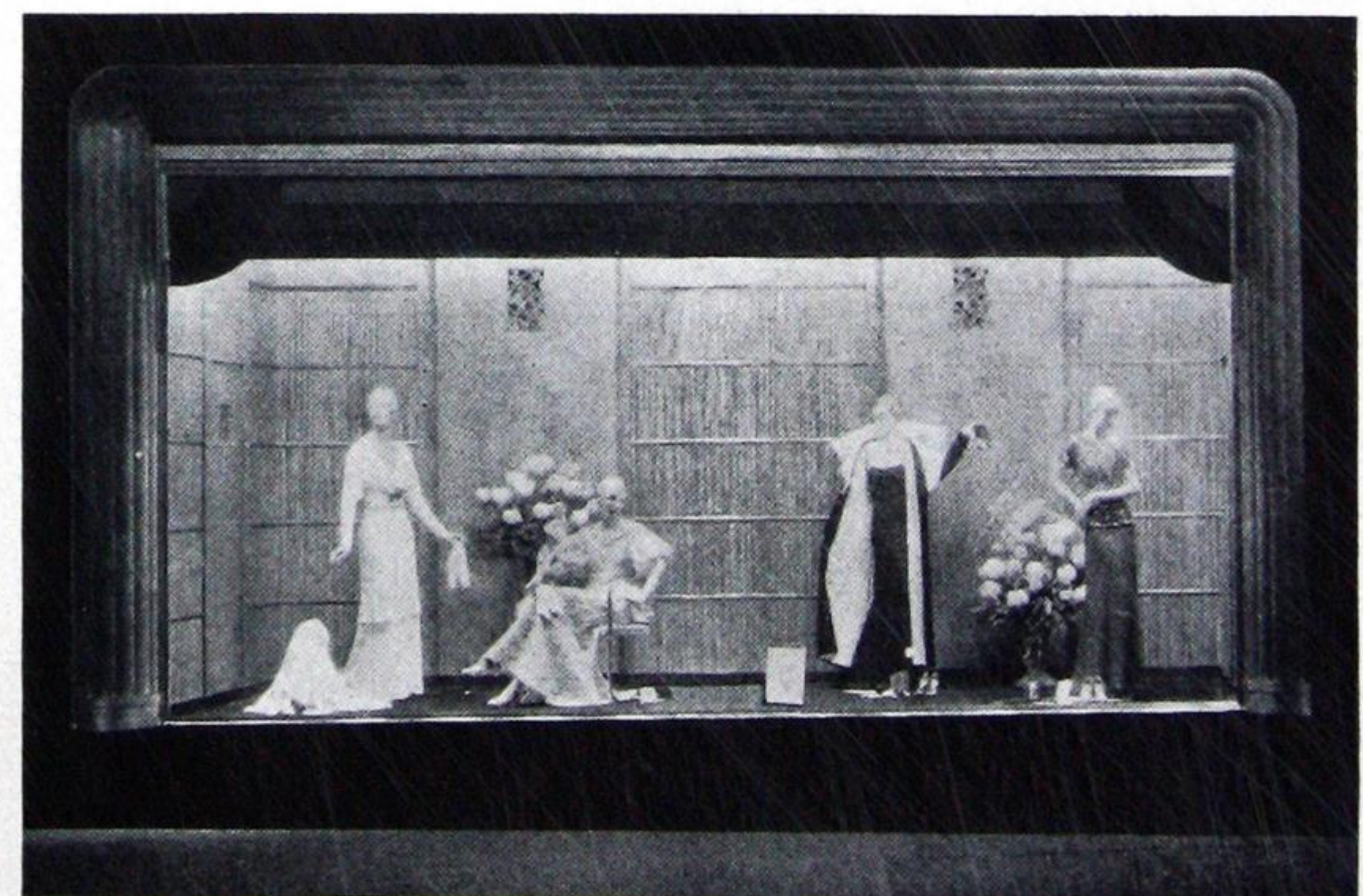
No. 990 Flush Mounting Arrangement.
Minimum Spacing 12 in. on centers.



Frank & Seder, Pittsburgh, Pa.

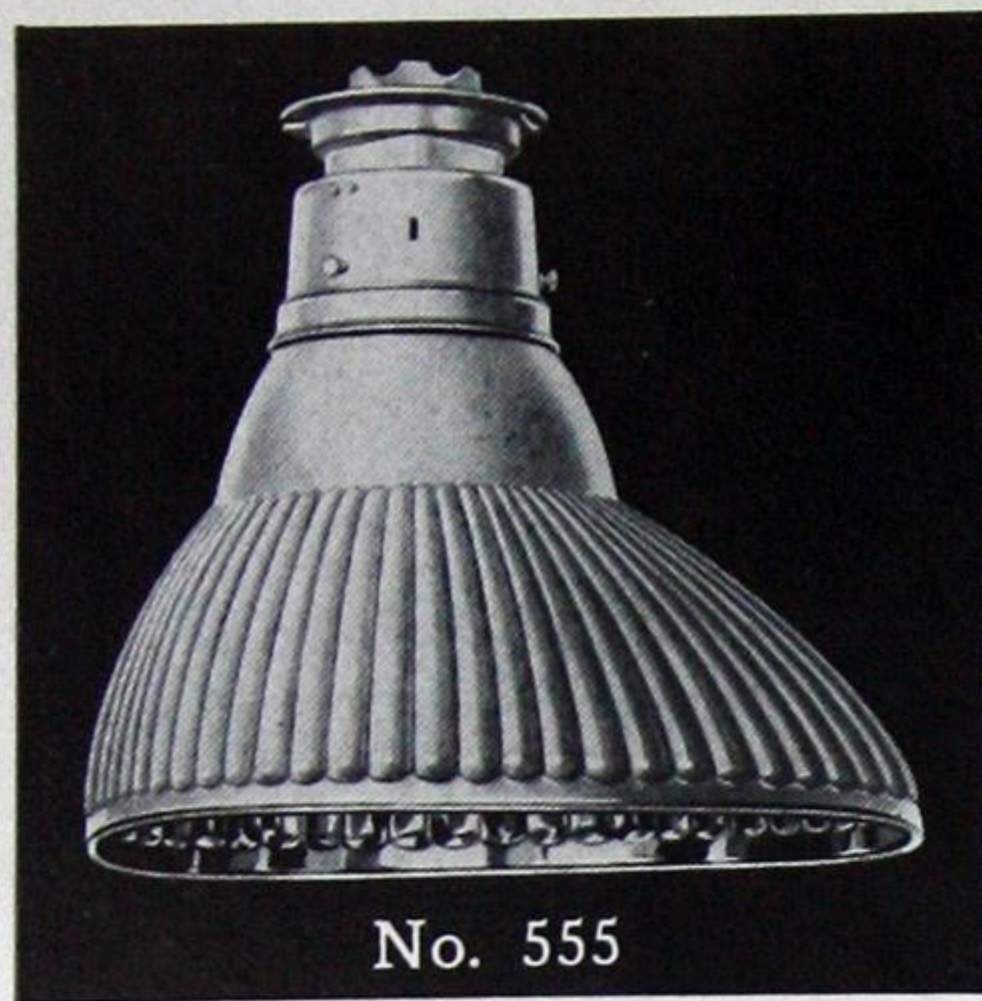


General Arrangement No. 990-B with Plaster Ring, Flush Mounting Ring and Louver.
Minimum Spacing 12 1/2 in. on centers.

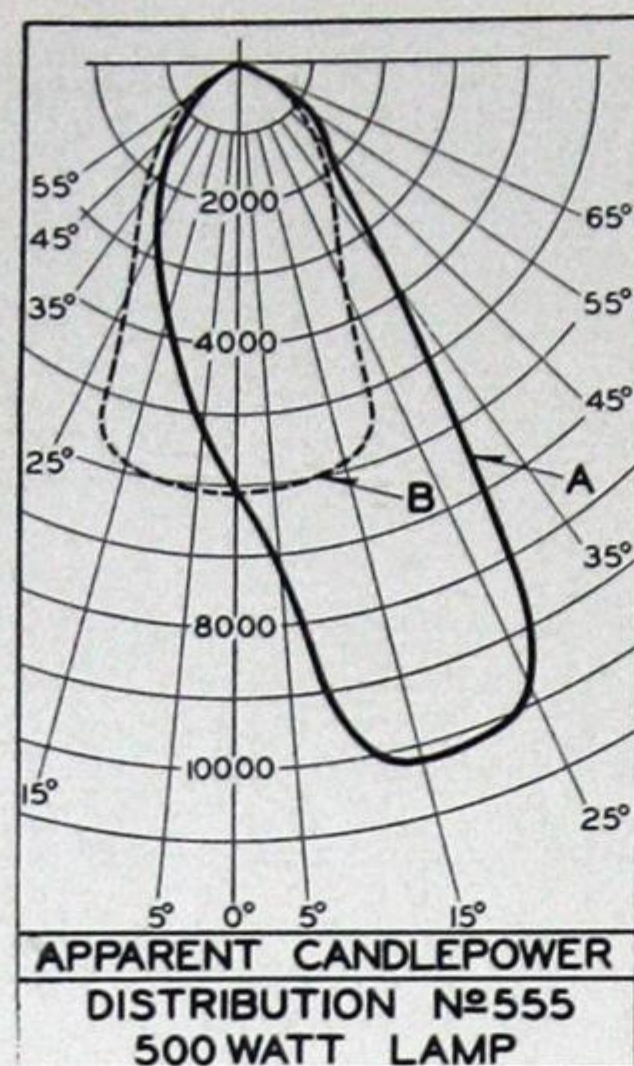


Jones' Shop, Fairmont, W. Va.

Permaflexor No. 555 Series



No. 555



Standard Quantity—1.

Weight, Approx. 7 lbs.

Code: Permaflexor No. 555 including Outlet Box Cover Assembly No. B-3 and Holder No. M-3.....FIFITIFI

Permaflexor No. 555-GO (Glass Only).....FIFITIFGLA

Application—Primarily for shallow windows 8 to 16 feet high; island windows; **flush mounting**. It also serves the various applications of No. 55 and No. 54, where a higher wattage is required because of greater elevation.

Spacing Recommended—15 inches on centers.

Bottom Opening Circular—Diameter, 12½ inches.

Lamp Size—

500 watt PS-40;
300 watt PS-35.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3 and Holder No. M-3. Attaches to any standard 4 inch outlet box 1½ inches deep.

May Be Mounted on:

Conduit—No. 6 in which case discard outlet box cover.

For Colored Lighting: Use

Color-Lite—No. 7 or No. 8.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 555 with Flush Mounting Ring No. 555.

No. 2-A with Hinged Ceiling Roundel No. 2-A or Hinged Concentric Louver No. 2-A.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 555.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 2-A.

For Louvered Lighting: Use

Parallel Louver—

No. EM-555 for External Mounting.

No. FM-555 for use with Flush Mounting Ring No. 555.

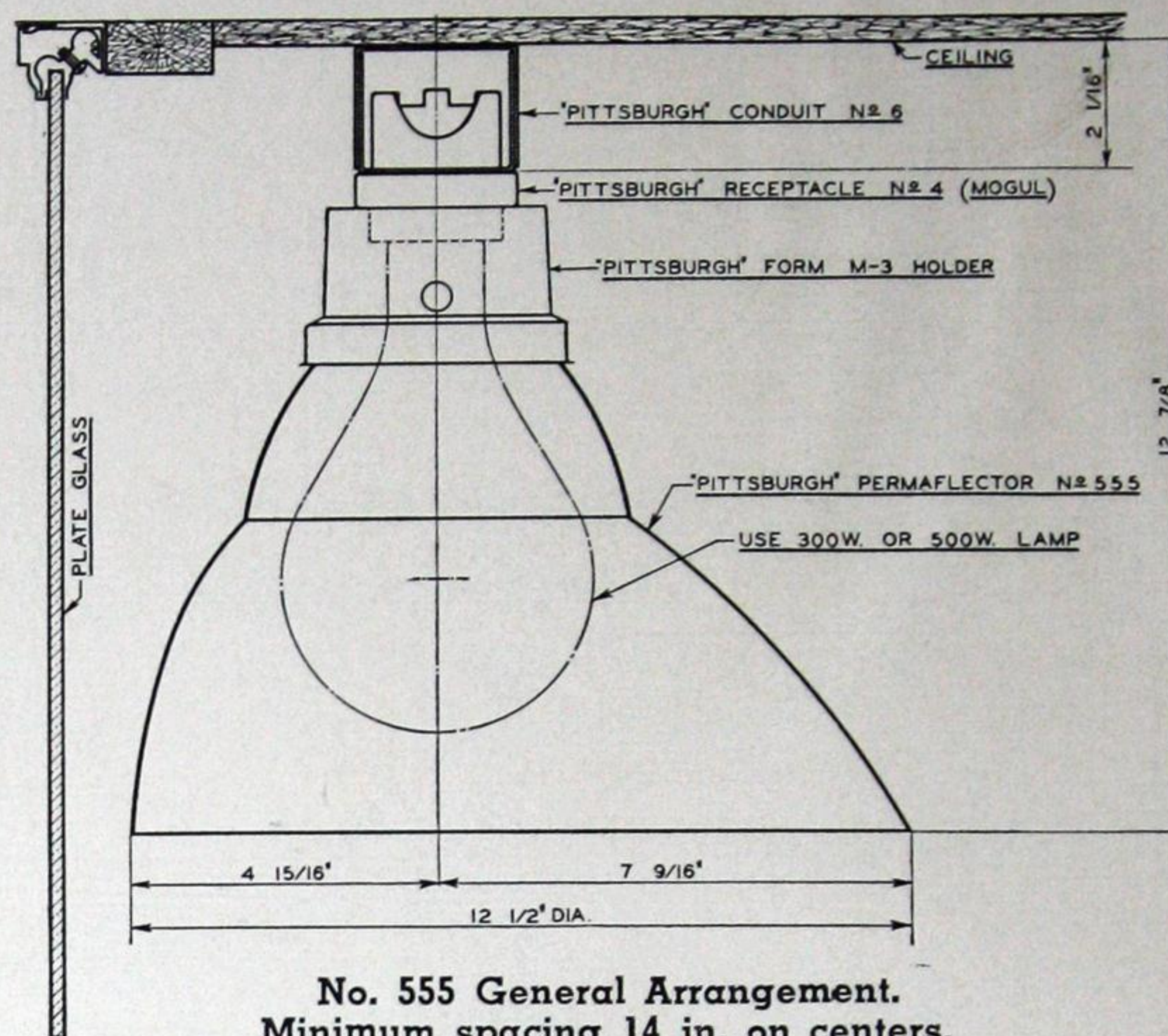
Concentric Louver—

No. EM-555-C for External Mounting.

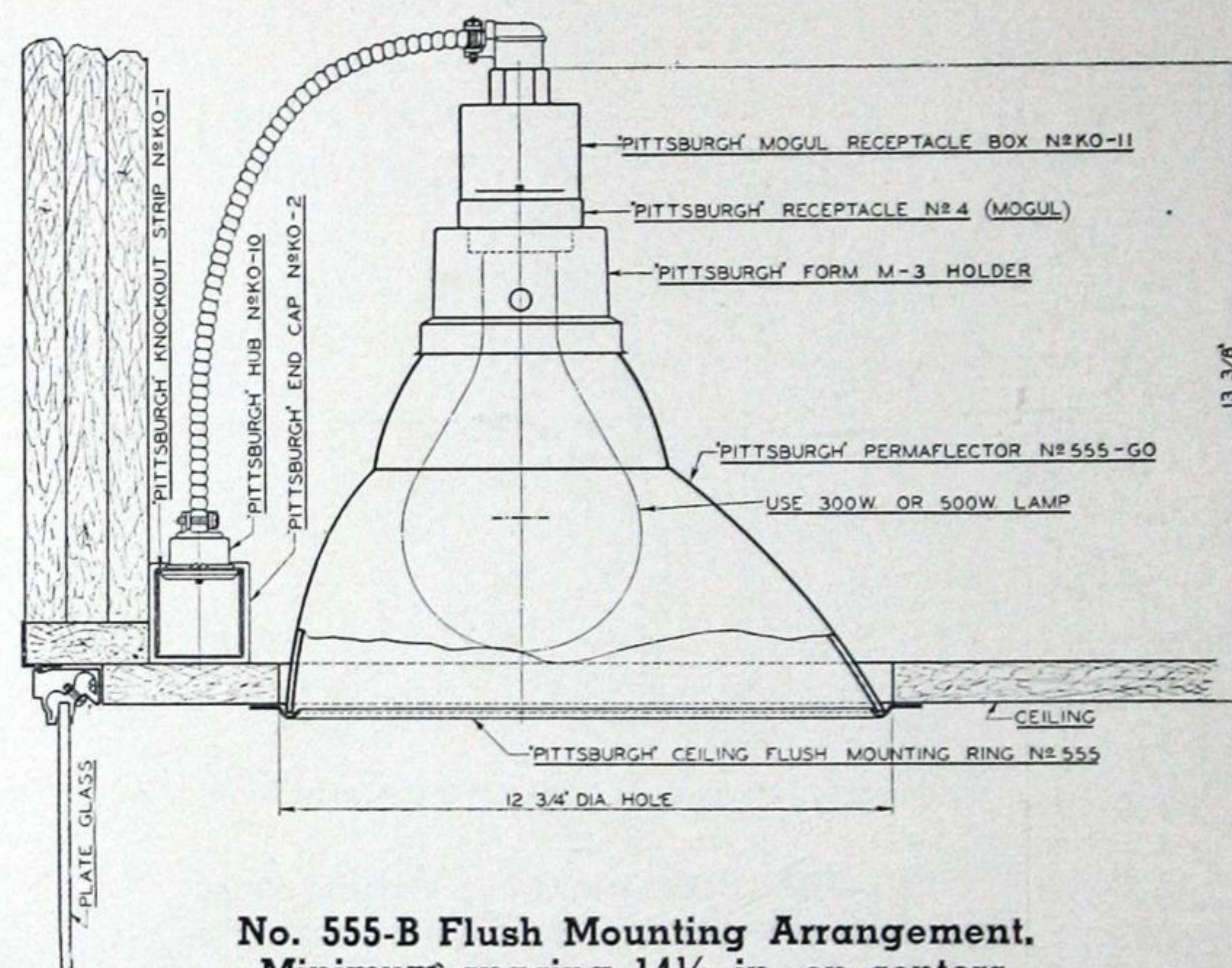
No. FM-555-C for use with Flush Mounting Ring No. 555.

Hinged Concentric Louver—No. 2-A.

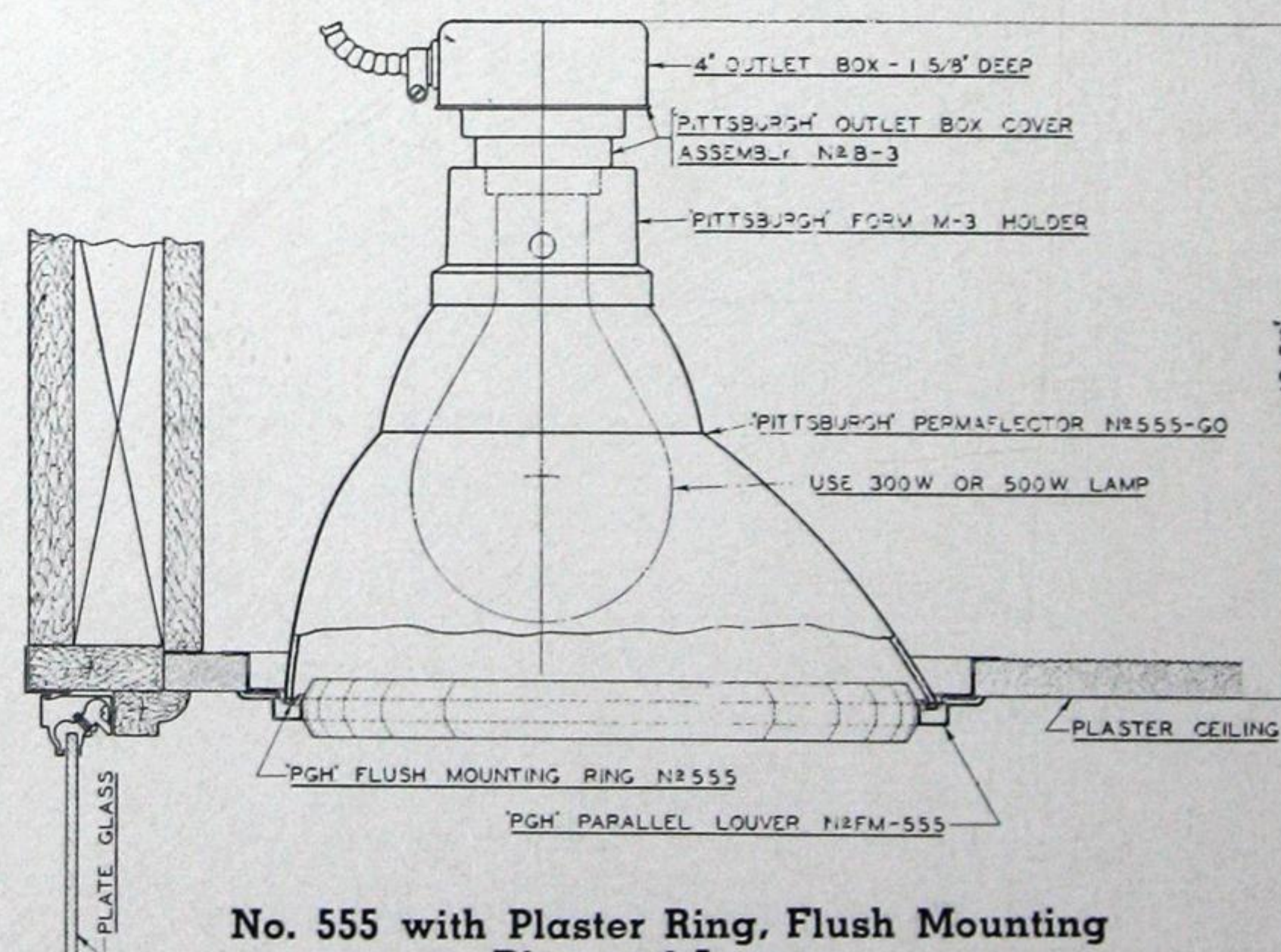
The Permaflexor window lighting line is the most complete offered. Permaflexors 77, 85, 99 and 990 are the only ones of their type, permitting flush mounting in flat ceiling and illuminating the full height of background of window without a sharp line of cut-off in same.



No. 555 General Arrangement.
Minimum spacing 14 in. on centers.



No. 555-B Flush Mounting Arrangement.
Minimum spacing 14½ in. on centers.



No. 555 with Plaster Ring, Flush Mounting
Ring and Louver.
Minimum spacing 15 in. on centers.

Permaflector No. 555 Series

Permaflector No. 555-B

Standard Quantity—1.

Weight, Approx. 7 lbs.

Code: Permaflector No. 555-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. M-3.....**FITIFIBI**

Lamp Size—

500 watt PS-40.

300 watt PS-35.

Permaflector No. 555-B same as Permaflector No. 555 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Permaflector No. 555-3

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 7 lbs.

Code: Permaflector No. 555-3 including Outlet Box Cover Assembly No. B-33 and Holder No. M-3.....**FITIFITRE**

Lamp Size—

200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

Permaflector No. 555-3 same as Permaflector No. 555 except equipped with Outlet Box Cover Assembly No. B-33.

Permaflector No. 555-3B

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 7 lbs.

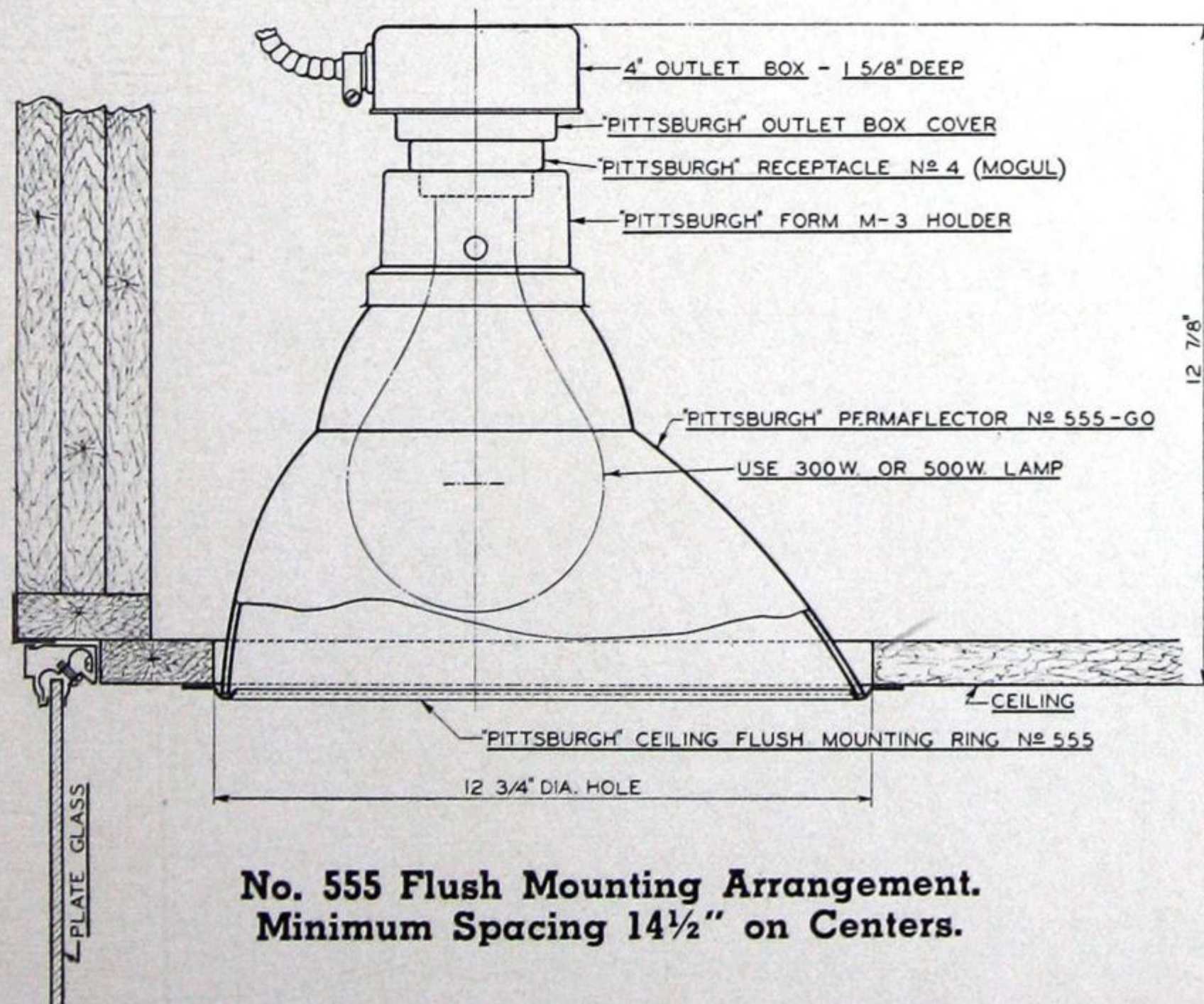
Code: Permaflector No. 555-3B including Box KO-11, Three-Light Mogul Socket No. 5 and Holder No. M-3.....**FITIFITREB**

Lamp Size—

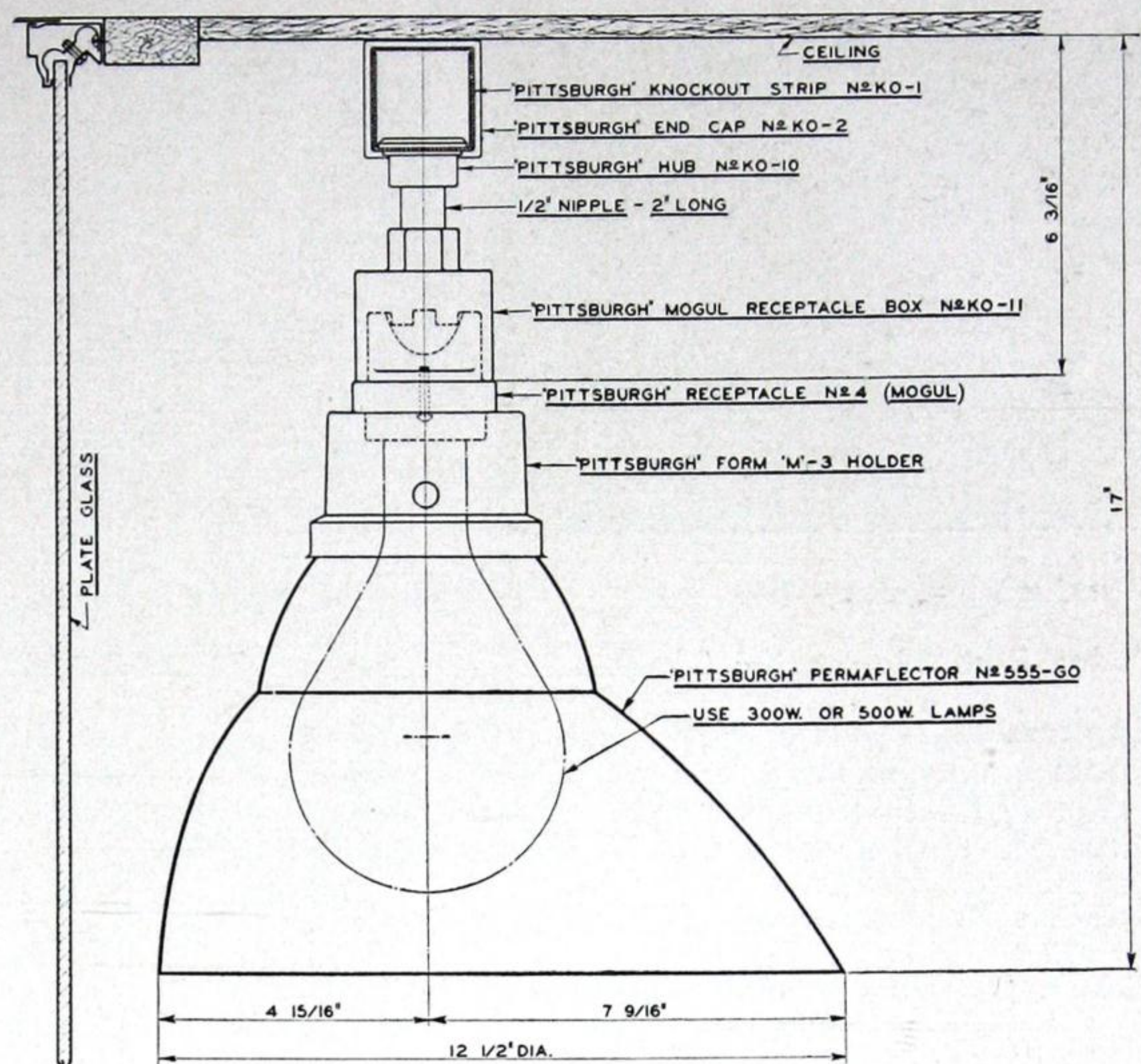
200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

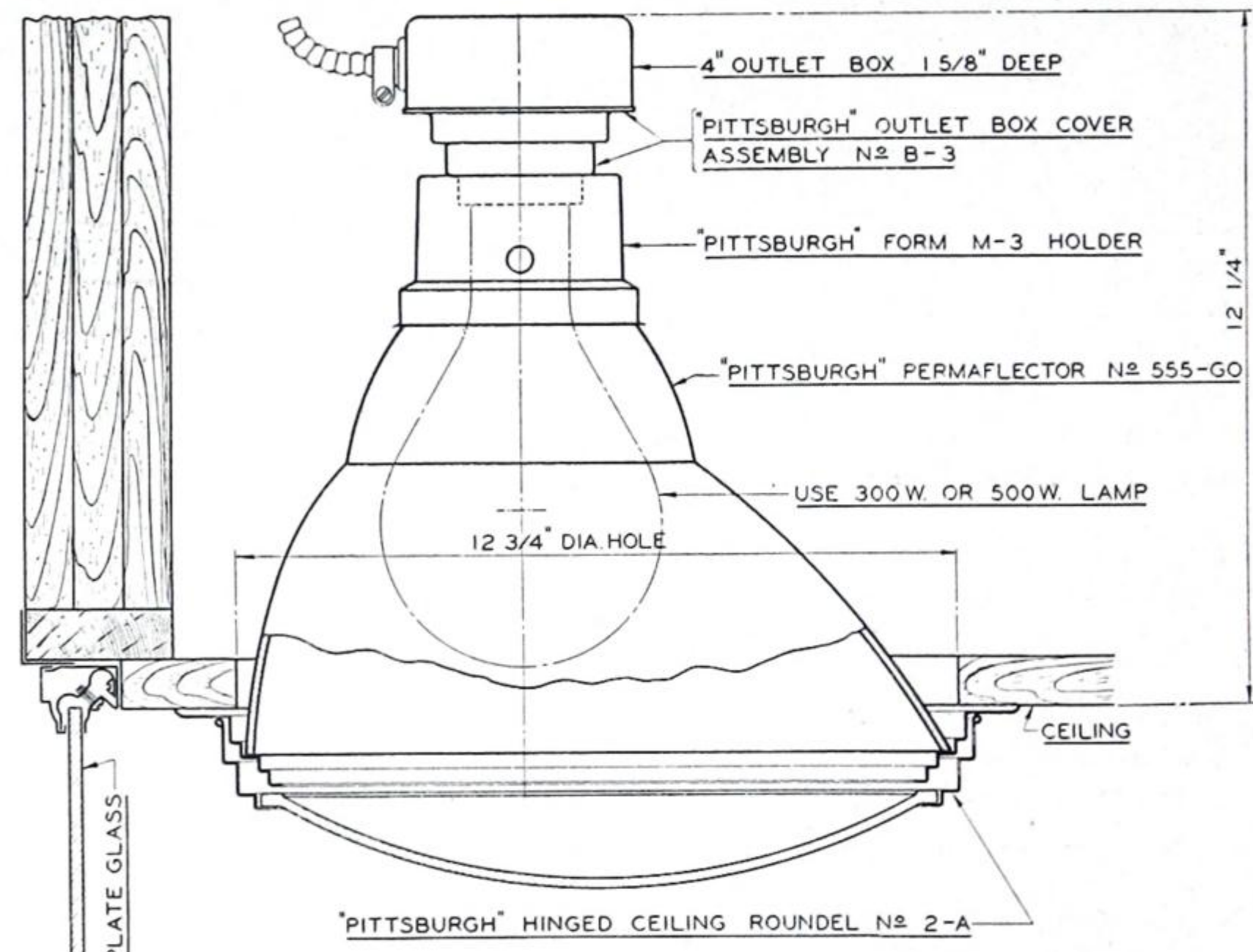
Permaflector No. 555-3B same as Permaflector No. 555-3 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.



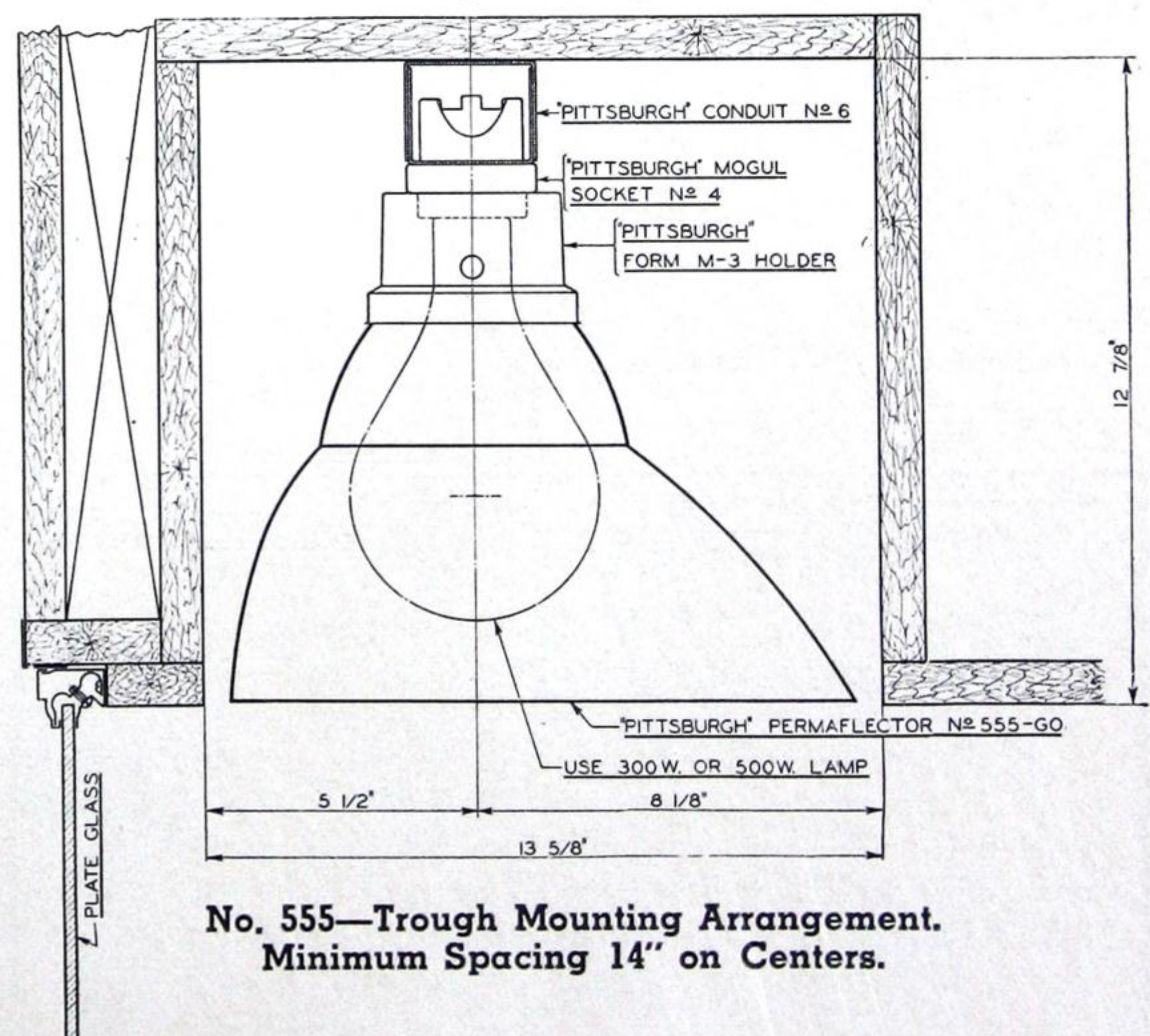
No. 555 Flush Mounting Arrangement.
Minimum Spacing 14½" on Centers.



No. 555-B—General Arrangement.

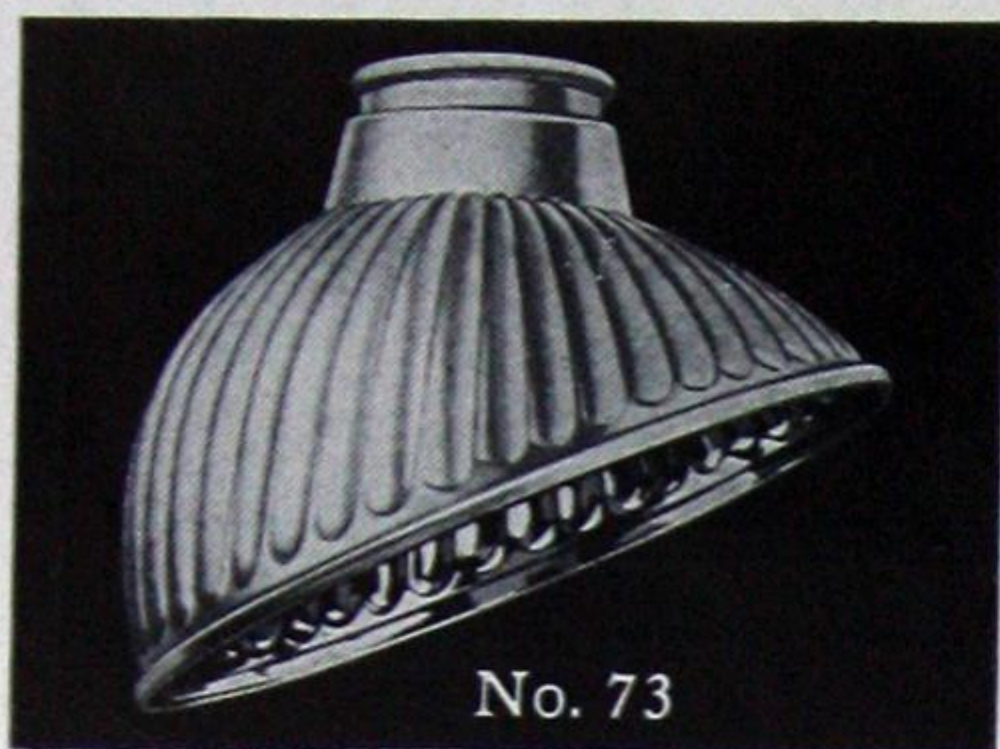


No. 555—Recessed in Ceiling and Hinged Ceiling Roundel No. 2-A.

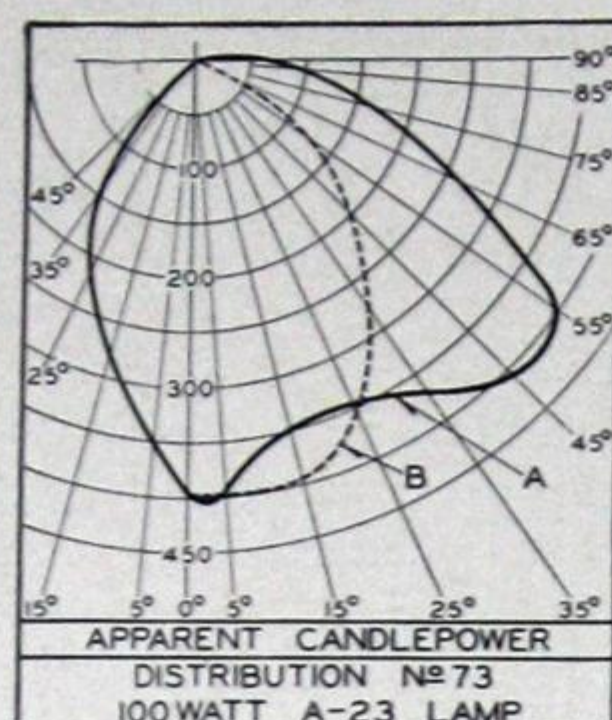


No. 555—Trough Mounting Arrangement.
Minimum Spacing 14" on Centers.

Permaflector No. 73



No. 73



Standard Quantity—10.

Weight, Approx. 10 lbs.

Code: Permaflector No. 73.....SHOSETREE

Application—For low, deep windows, 4 to 7 feet high, in which trim is carried the full height. Also excellent for many other display lighting uses such as rug racks, interior wall displays, art galleries, museums, and indirect cove lighting.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 6 3/4 inches.

Lamp Size—

- 60 watt A-21.
- 75 watt A-21.
- 100 watt A-23.

Holder—with brass shell socket, use: 2 1/4" Form 'OB' holder for 60 watt A-21 lamp; 2 1/4" Form 'HB' holder for 100 watt A-23 lamp; with grooved porcelain socket use: 2 1/4" Form 'OP' holder for 60 watt A-21 lamp; 2 1/4" Form 'HP' holder for 100 watt A-23 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3 1/4 or B-1-4 use: 2 1/4" Form 'S' holder for 60 watt A-21 lamp; 2 1/4" Form 'SL' holder for 75 watt A-21 lamp; 2 1/4" Form 'L' holder for 100 watt A-23 lamp, attached directly to socket.

May Be Installed with:

Outlet Box Cover Assembly—No. B-1-3 1/4 or B-1-4 with 2 1/4" Form 'S', 'SL' or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2 1/4" Form 'S', 'SL' or 'L' holders. No. 12 or No. 62 with 2 1/4" Form 'OP' or 'HP' holders.

For Colored Lighting: Use

Color-Lite—No. 4-A or 4-A-DB.

When Recessed in Plaster Ceiling: Use
Plaster Ring—

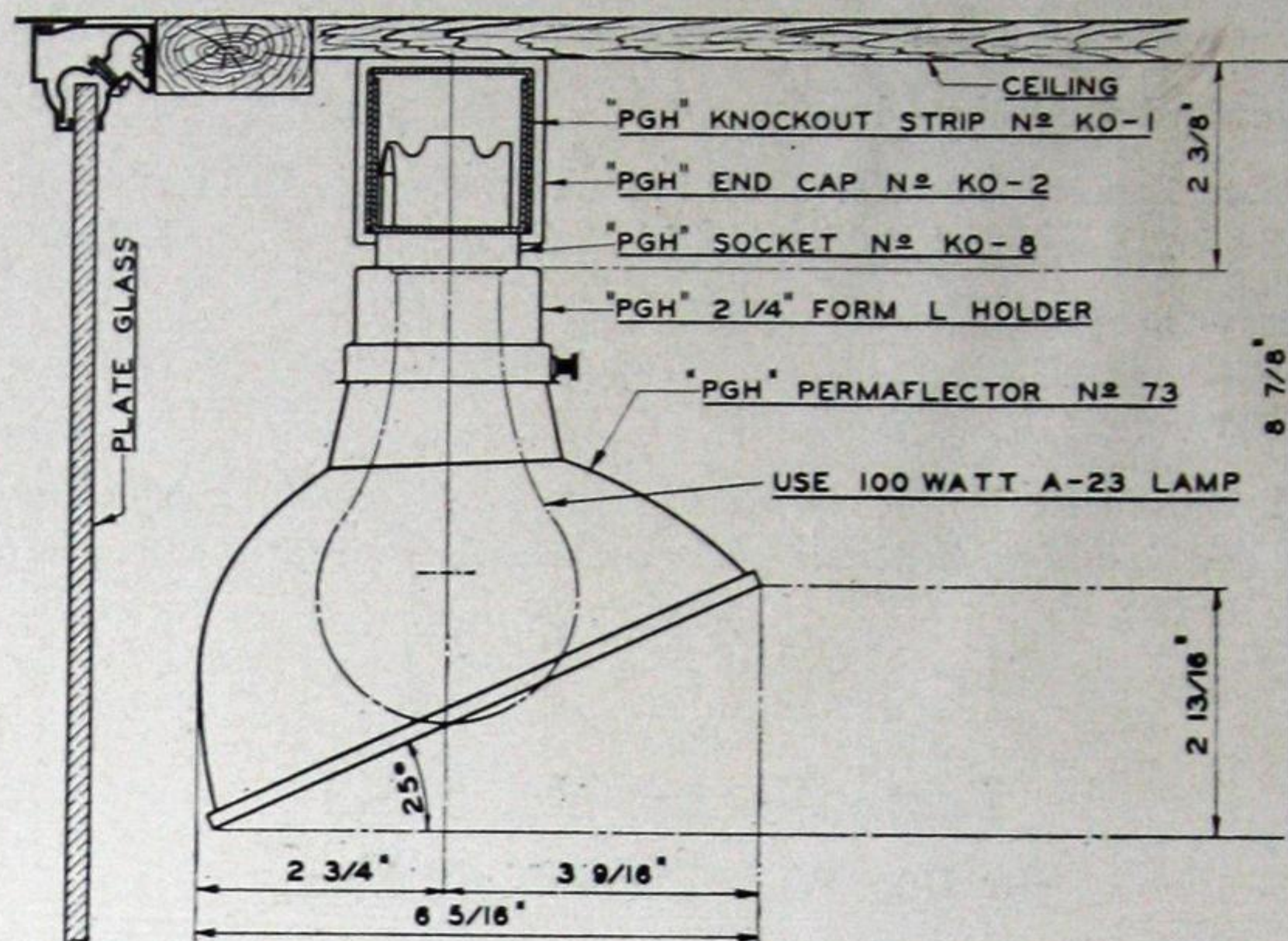
- No. 77 with Flush Mounting Ring No. 73.
- No. 4 with Hinged Ceiling Roundel No. 4.

When Installed Flush in Ceiling (Not Plastered): Use
Flush Mounting Ring—No. 73.

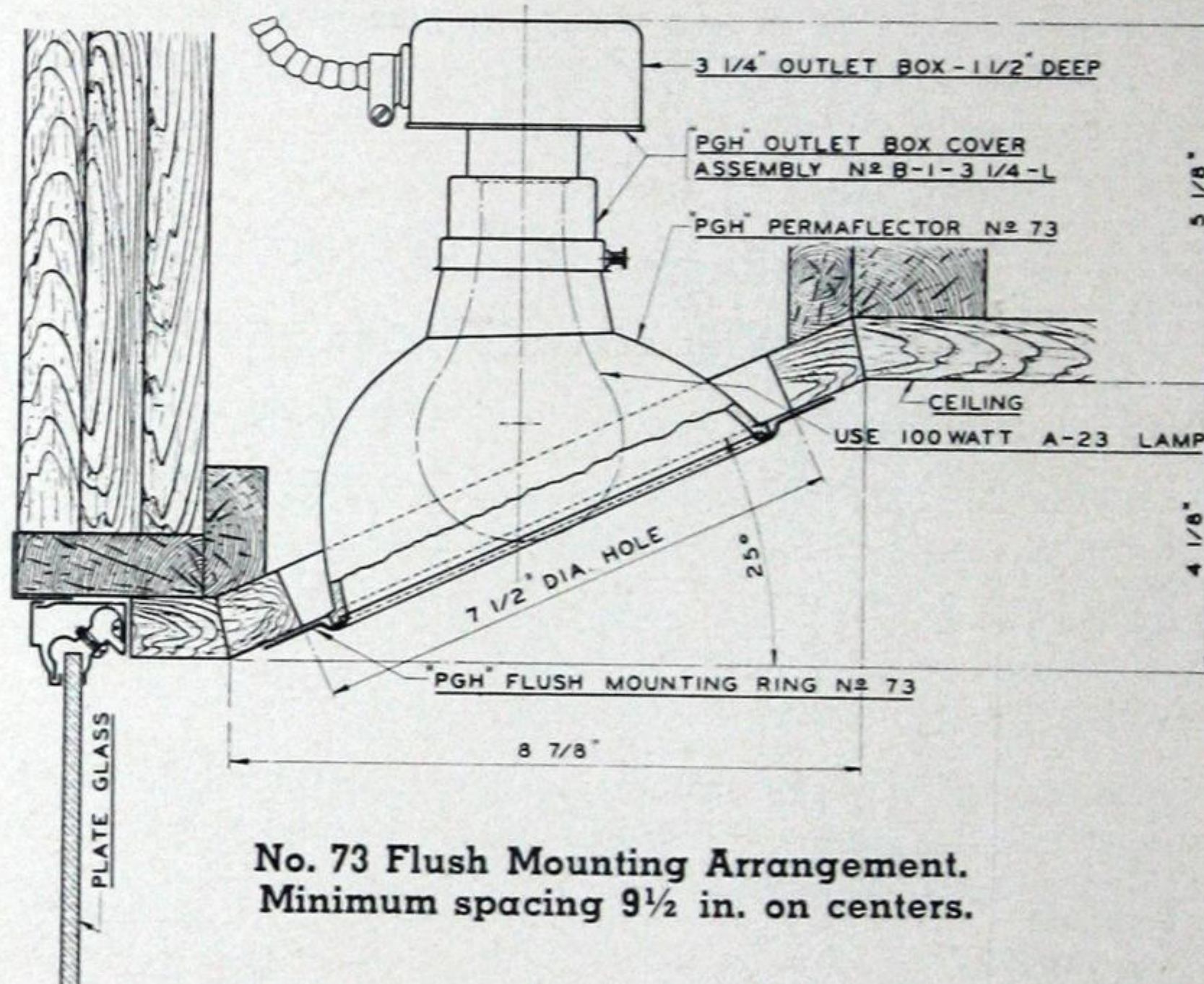
When Recessed in Ceiling and Concealed: Use
Hinged Ceiling Roundel—No. 4.

Permaflectors for 3-Lite Lamps

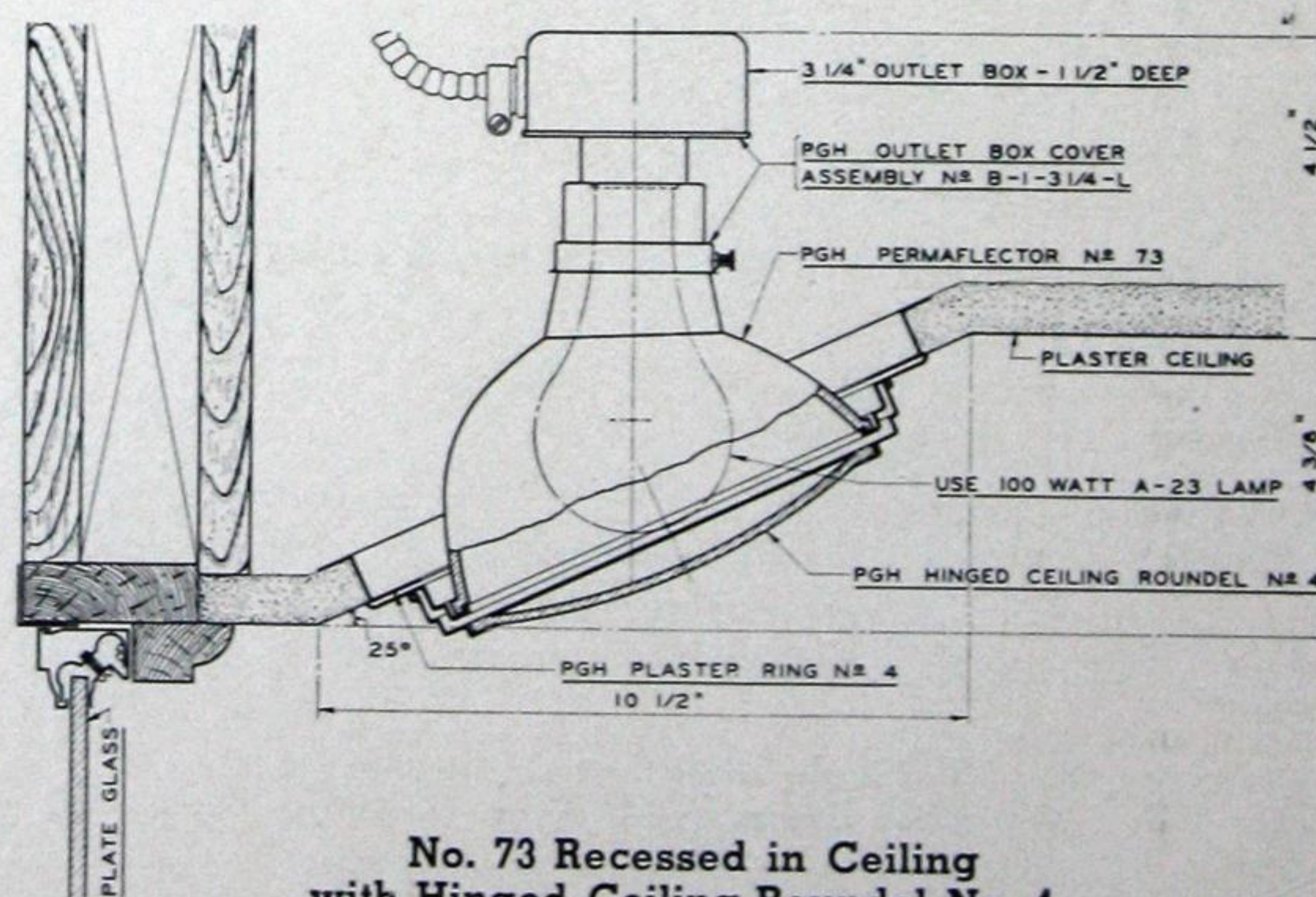
The Permaflector line is the largest available for use with 3-Lite lamps. Any of the Permaflectors for 300 or 500 watt general service lamps, (which regularly come equipped with mogul socket No. 4, are also available with 3-Lite mogul socket No. 5. For instance, Permaflector No. 555-3 is the same as No. 555 except it is equipped with No. 5 mogul 3-Lite socket for use with 3-Lite lamps. Similarly, Permaflector E-500-3 is Permaflector E-500 equipped with 3-Lite socket.



No. 73 General Arrangement.
Minimum spacing 7 1/2 in. on centers.

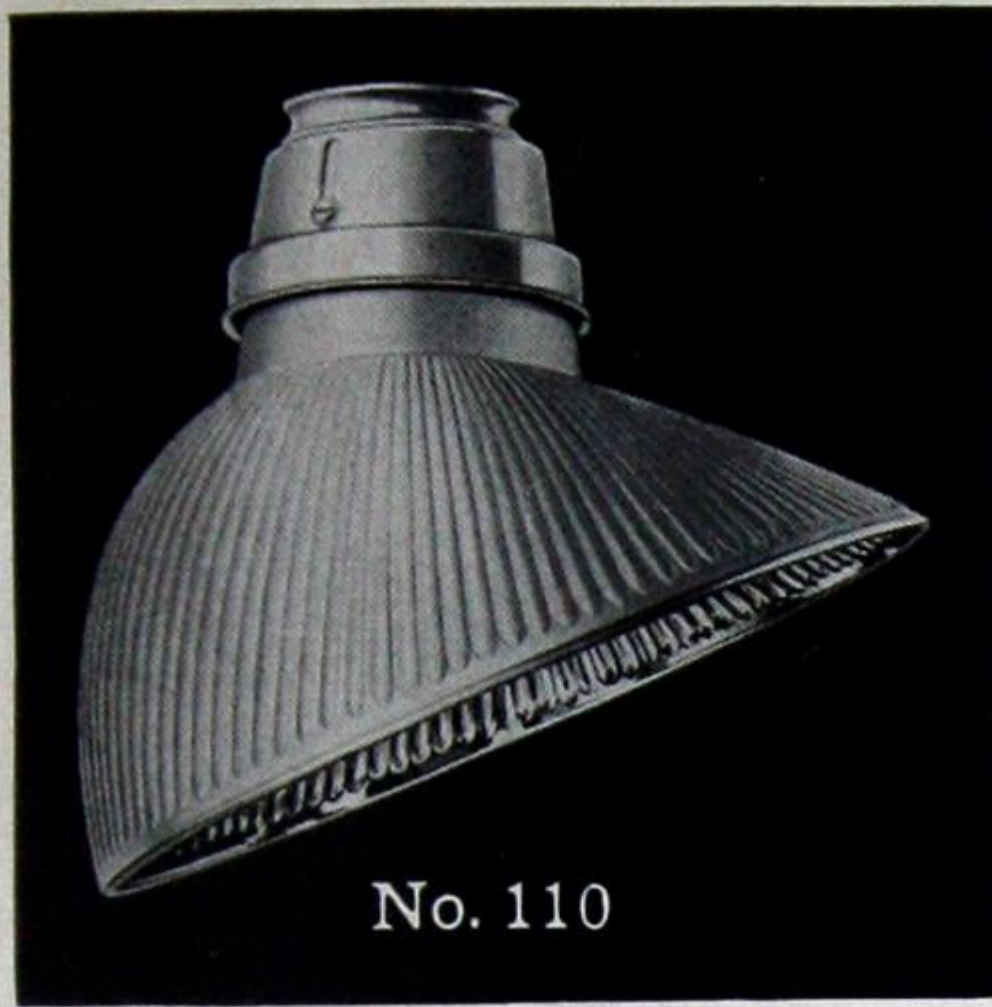


No. 73 Flush Mounting Arrangement.
Minimum spacing 9 1/2 in. on centers.

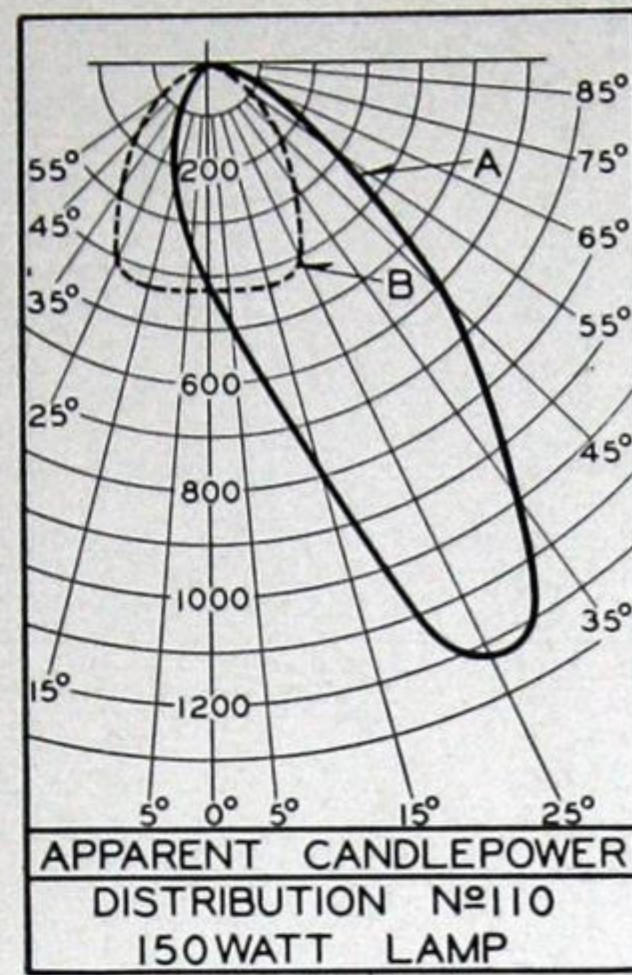


No. 73 Recessed in Ceiling
with Hinged Ceiling Roundel No. 4.

Permaflector No. 110 and 110-R



No. 110



Standard Quantity—10.

Weight, Approx. 17 lbs.

Code: Permaflector No. 110 including Adapter

No. 1256 **SHOHUNTEN**

Permaflector No. 110-R including Adapter

No. 1256-R **SHOHUNTERN**

Application—For low, deep windows, 4 to 9 feet high, in which trim is carried the full height. In corner windows equip with concentric louvers. Also excellent for many other display lighting uses such as rug racks, interior wall displays, art galleries, museums, and indirect cove lighting.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 8½ inches.

Lamp Size—

100 watt A-23, Adapter in compressed position.

150 watt A-25, Adapter in extended position.

Holder—with brass shell socket, use 2¼" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4 use Adapter No. 1256 attached directly to Socket.

May Be Installed with:

Outlet Box Cover Assembly—

No. B-1-3¼ or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Colored Lighting: Use

Color-Lite—No. 5, No. 6 or No. 6-DB for external mounting. No. 61 or No. 61-DB for use with Flush Mounting Ring No. 55.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 55-A with Flush Mounting Ring No. 55.

No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 55.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 1-A.

For Louvered Lighting: Use

Parallel Louver—

No. EM-55 for External Mounting.

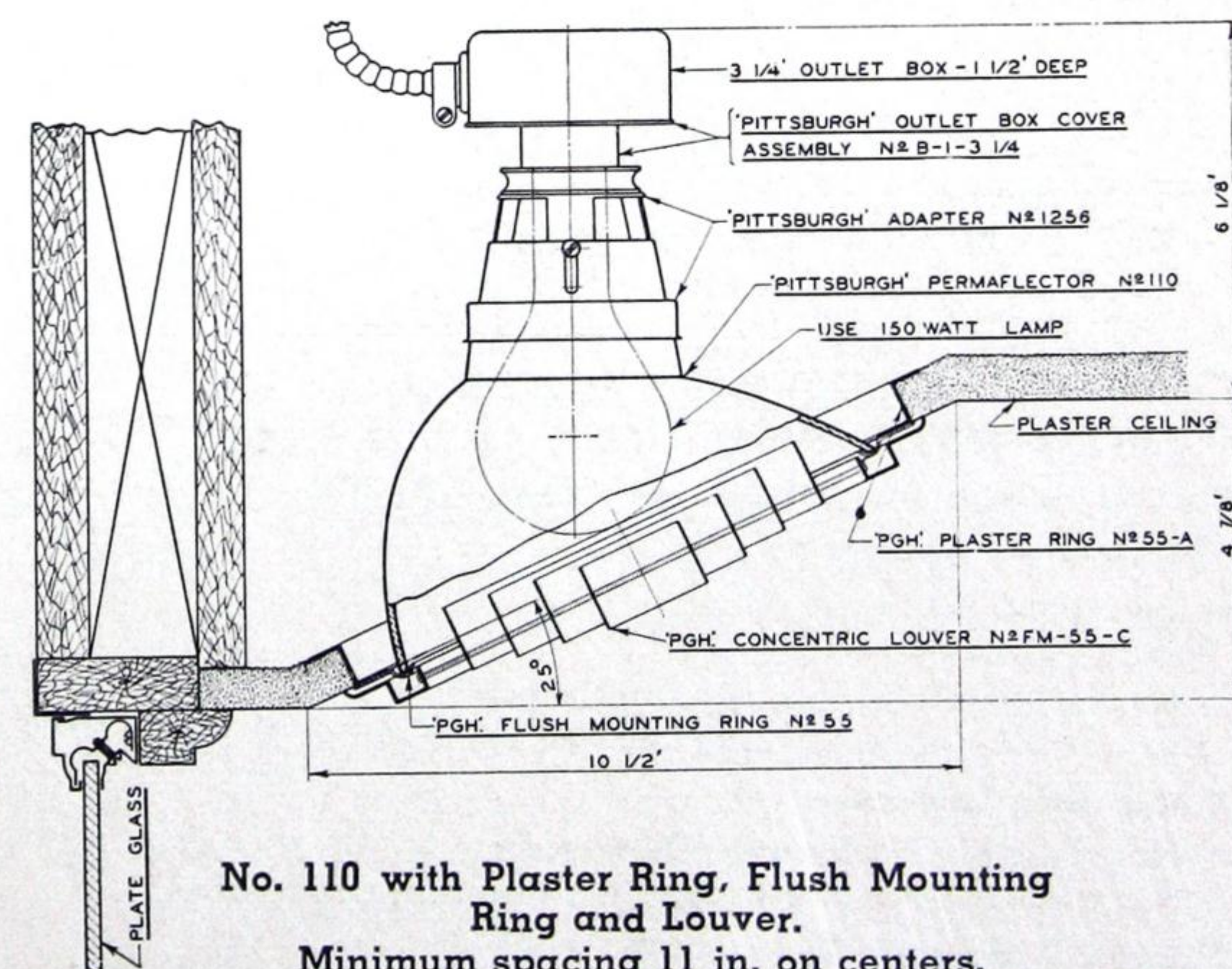
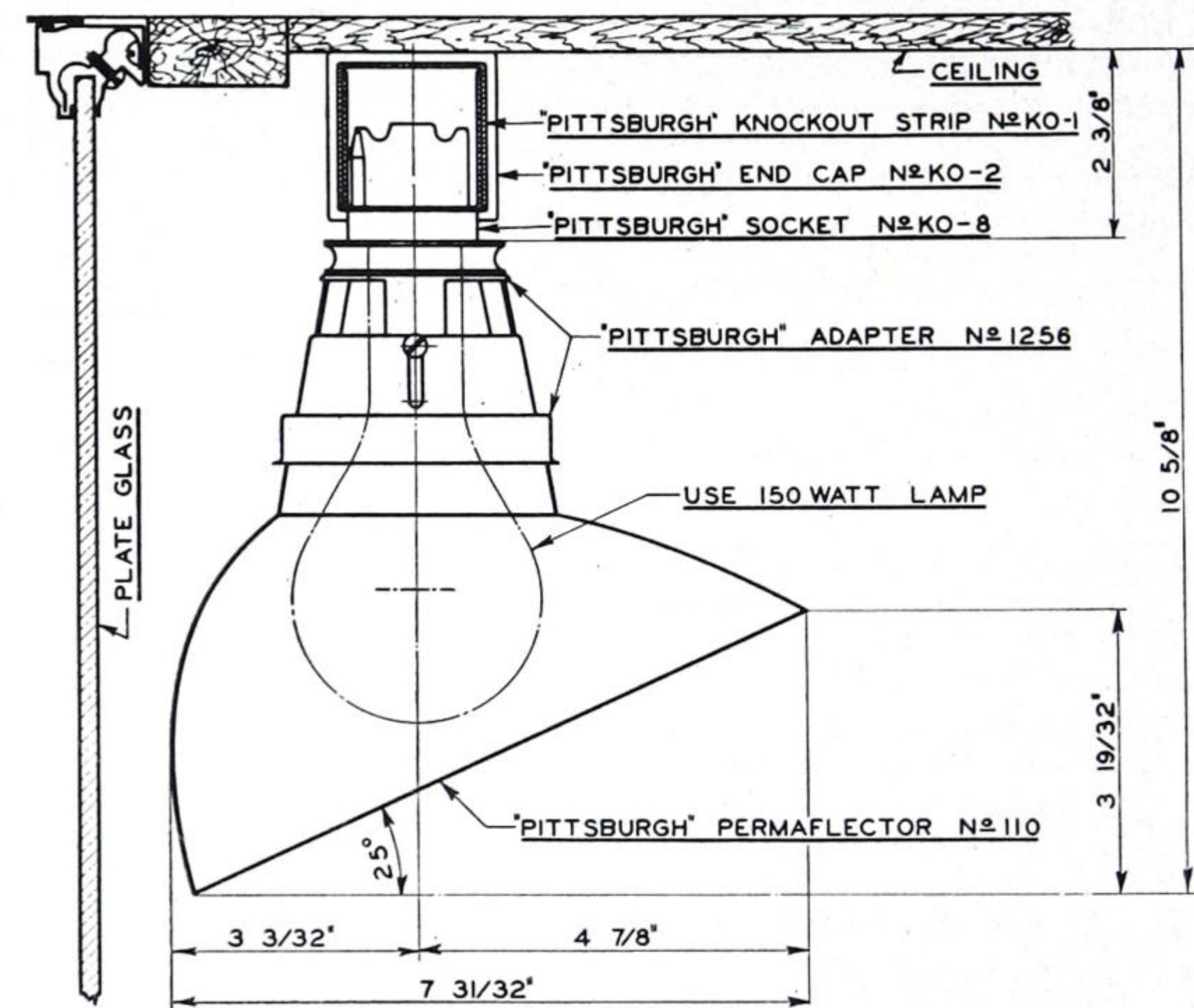
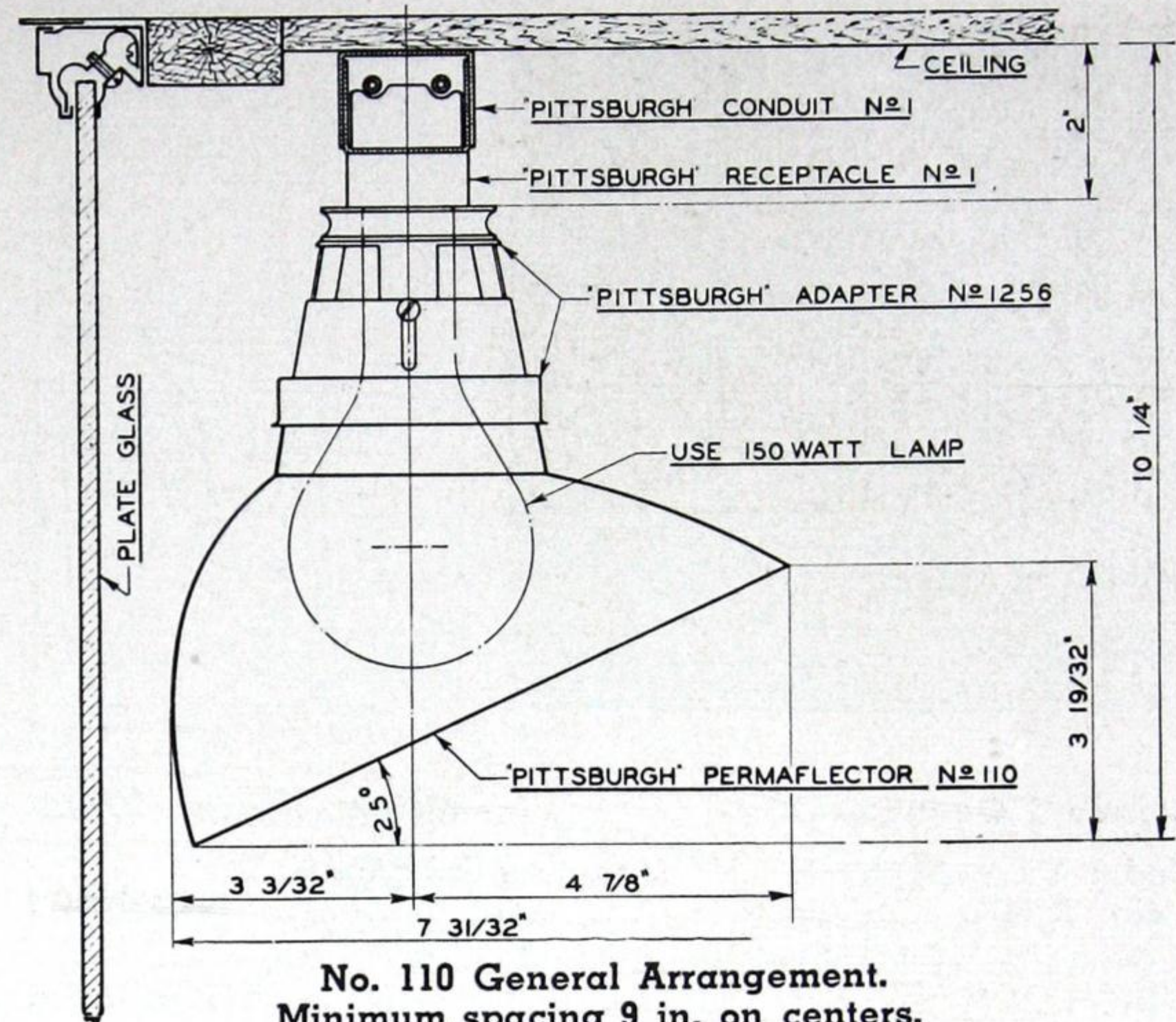
No. FM-55 for use with Flush Mounting Ring No. 55.

Concentric Louver—

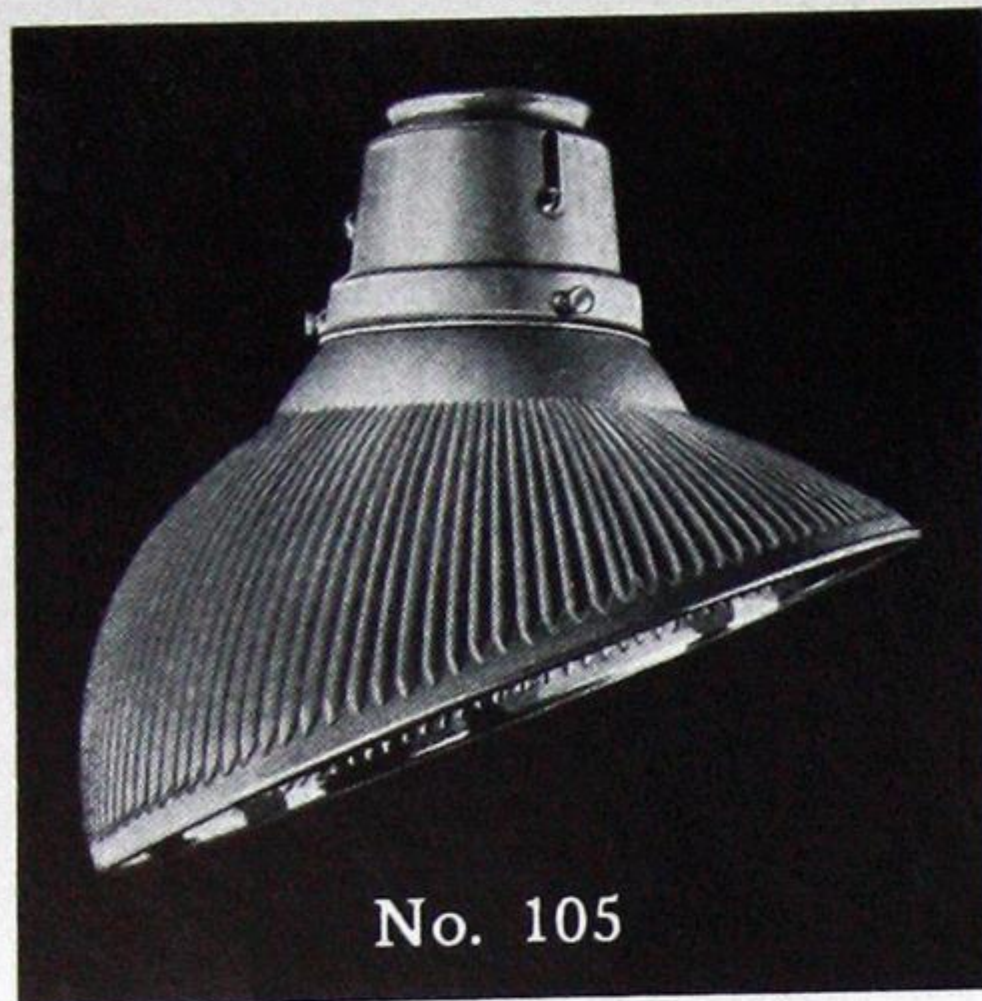
No. EM-55-C for External Mounting.

No. FM-55-C for use with Flush Mounting Ring No. 55.

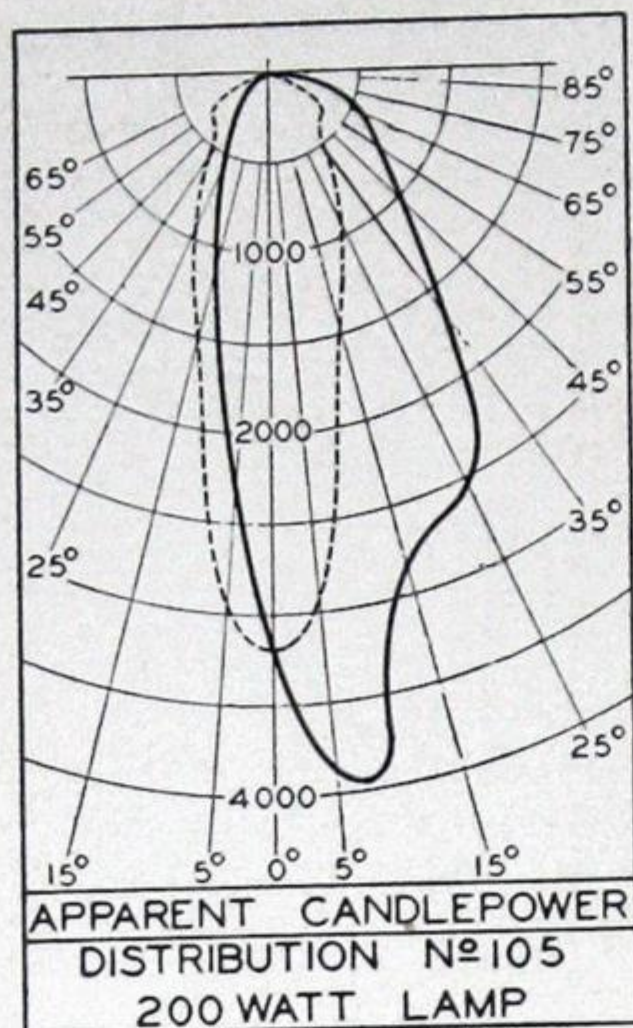
Hinged Concentric Louver—No. 1-A.



Permalector No. 105 and 105-R



No. 105



Standard Quantity—10

Weight, Approx. 20 lbs.

Code: Permalector No. 105 including Adapter No. 1234

SHOHUNFI

Permalector No. 105-R including Adapter No. 1234-R

SHOHUNFIR

Application—For deep windows, 7 to 10 feet high, in which trim is carried the full height. The exceptional concentration of light close to glass line makes this the ideal reflector for these windows. In corner windows equip with concentric louvers. Also excellent for many other display lighting uses such as rug racks, interior wall displays, art galleries, museums, bowling alleys, and indirect cove lighting.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 9½ inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.
200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2¼" Form 'OB' holder with Adapter No. 1234; with grooved porcelain socket use Adapter No. 1234-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4 use Adapter No. 1234 attached directly to Socket.

May Be Installed With:

Outlet Box Cover Assembly—

No. B-1-3¼ or B-1-4 with Adapter No. 1234.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1234. No. 12 or No. 62 with Adapter No. 1234-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2 or No. 2-DB for external mounting.
No. 21 or No. 21-DB for use with flush mounting ring No. 54.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 54 with Flush Mounting Ring No. 54.
No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use
Flush Mounting Ring—No. 54.

When Recessed in Ceiling and Concealed: Use
Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

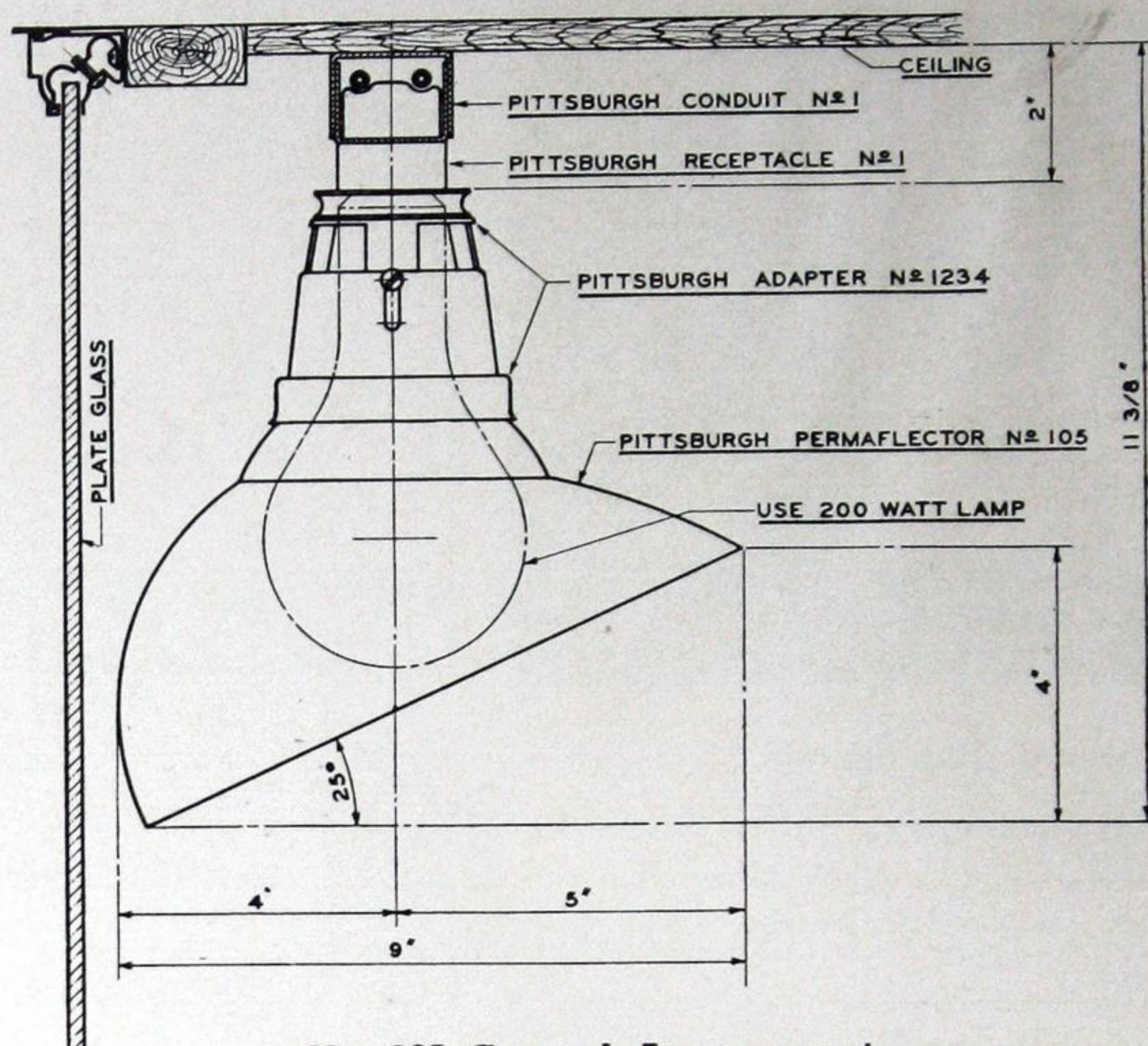
Parallel Louver—

No. EM-54 for External Mounting.
No. FM-54 for use with Flush Mounting Ring No. 54.

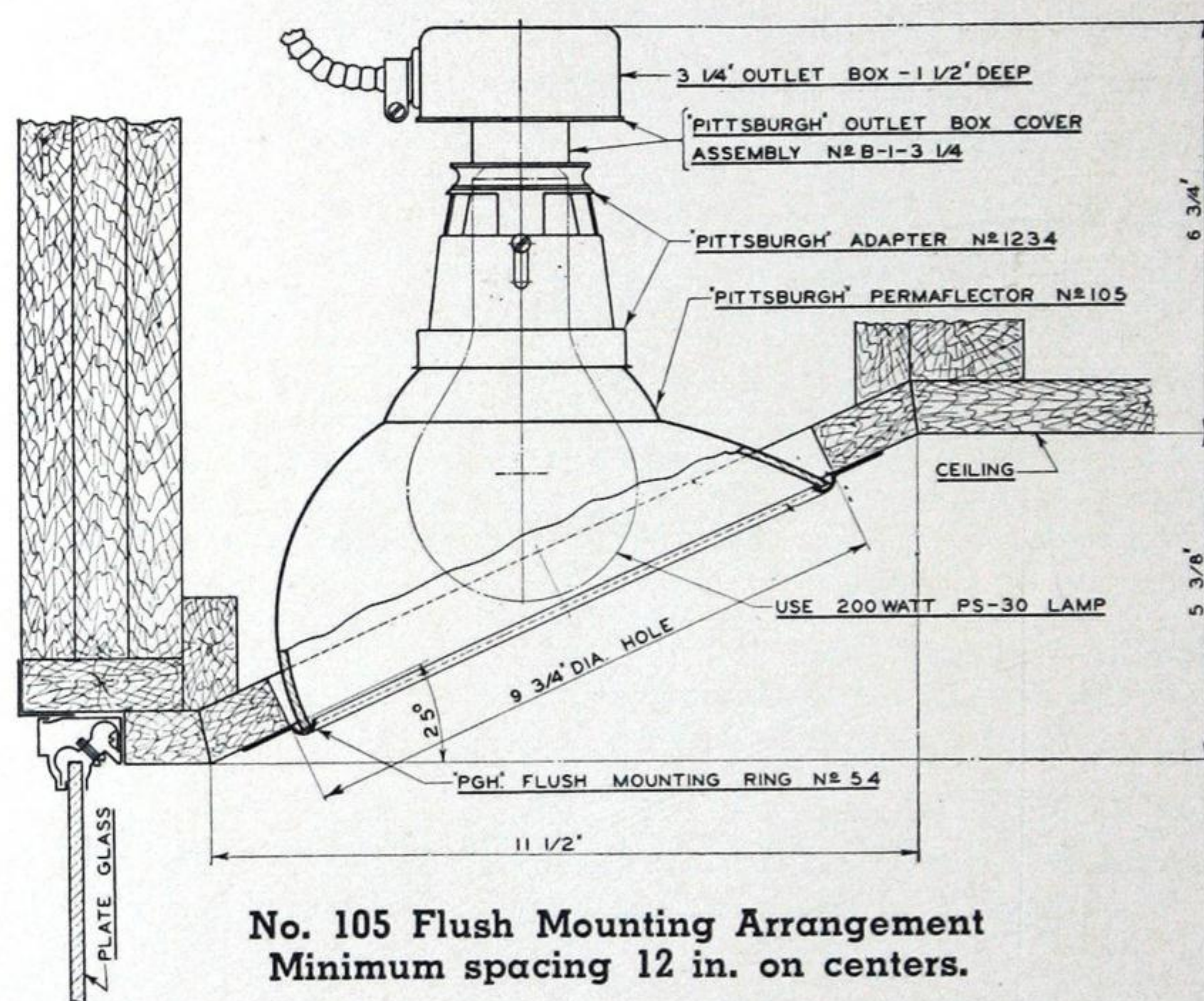
Concentric Louver—

No. EM-54-C for External Mounting.
No. FM-54-C for use with Flush Mounting Ring No. 54.

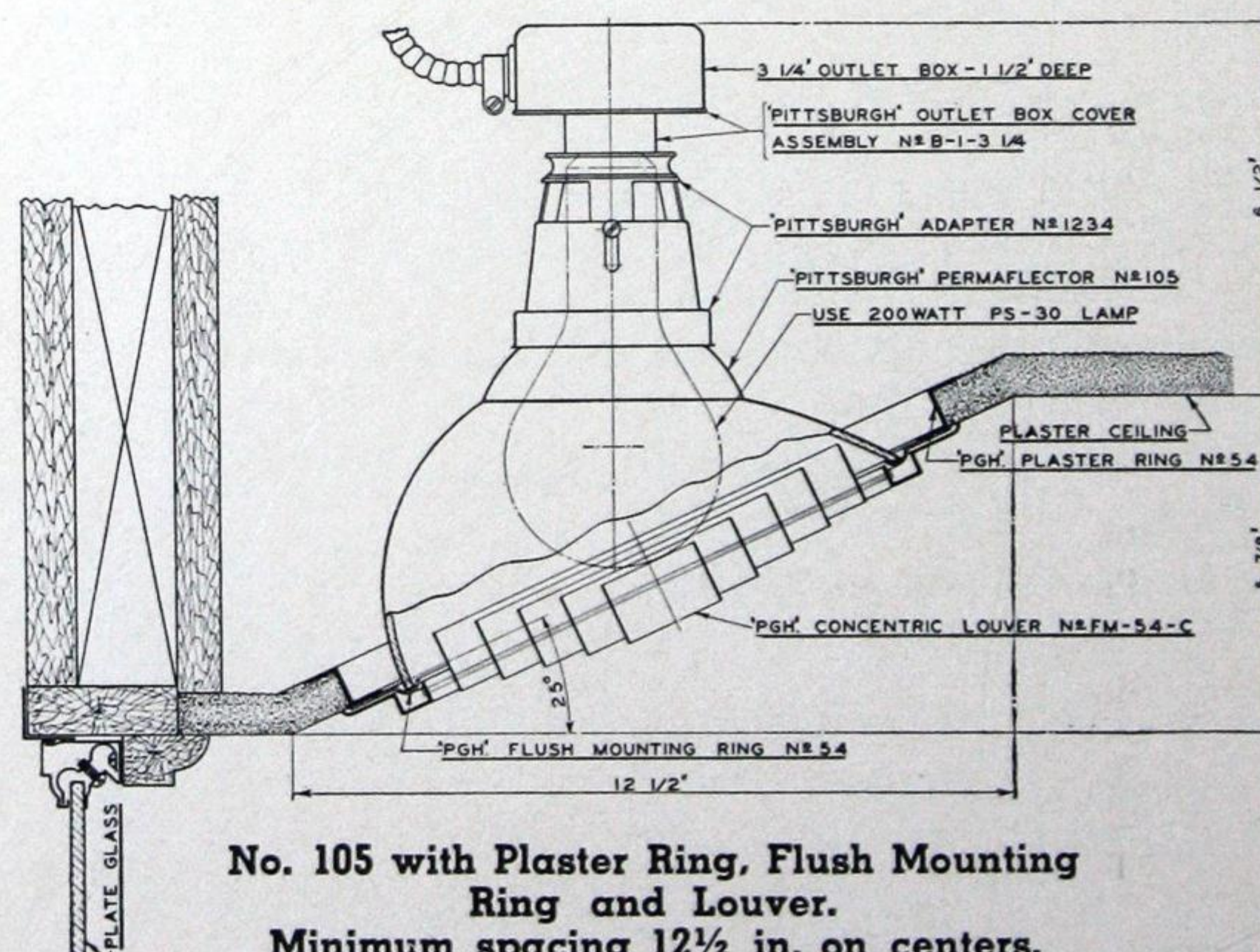
Hinged Concentric Louver—No. 6.



No. 105 General Arrangement.
Minimum spacing 10½ in. on centers.



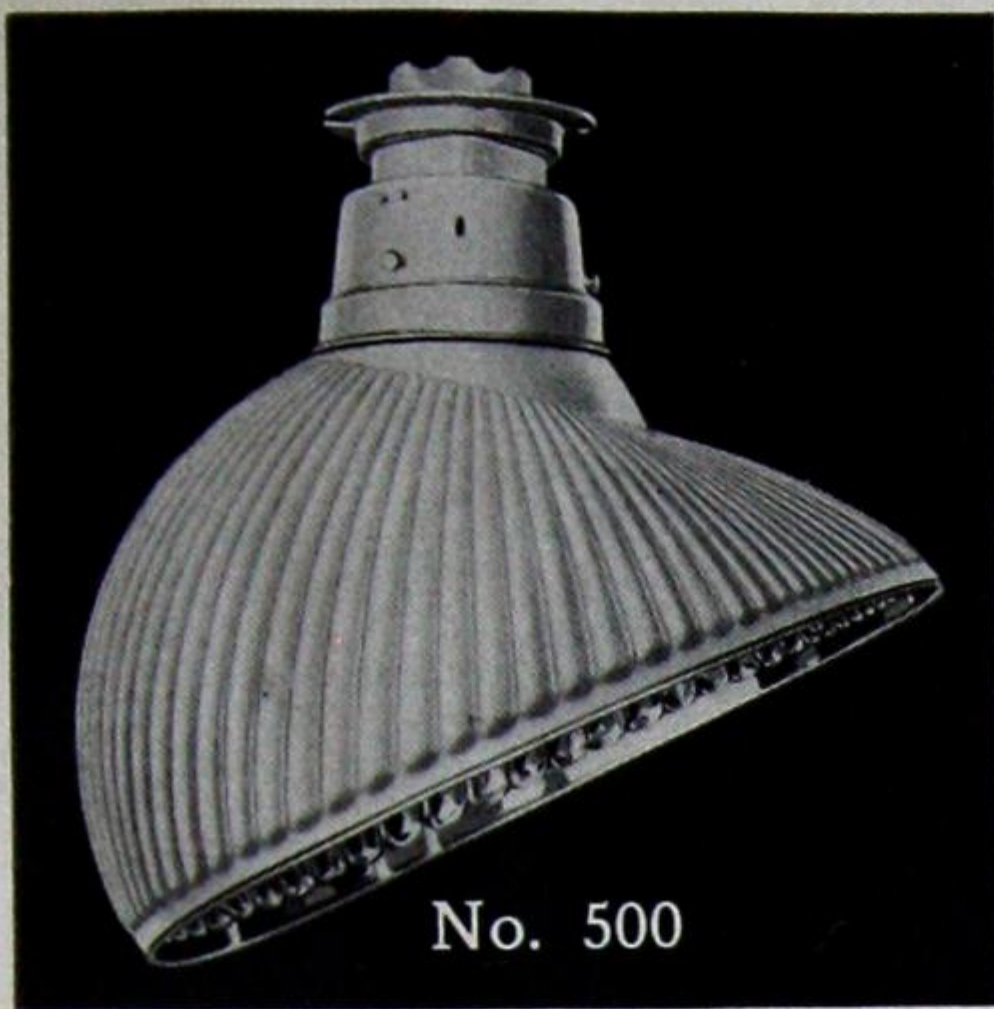
No. 105 Flush Mounting Arrangement
Minimum spacing 12 in. on centers.



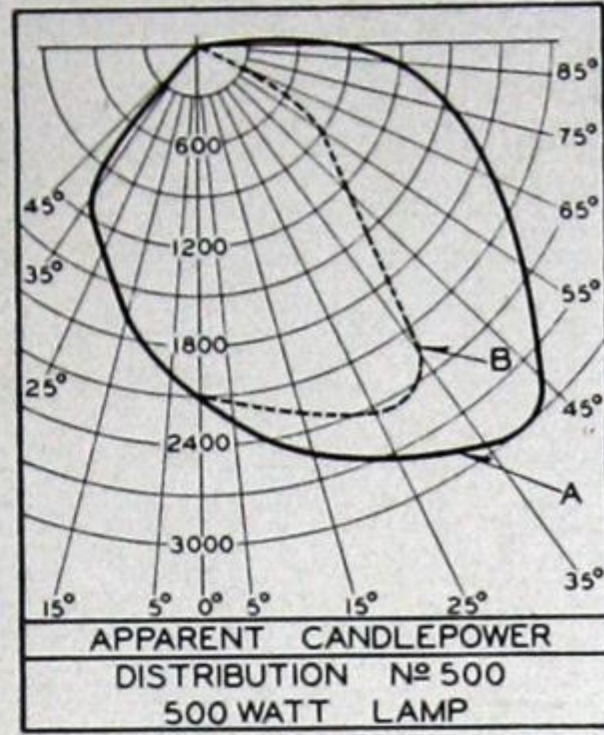
No. 105 with Plaster Ring, Flush Mounting Ring and Louver.
Minimum spacing 12½ in. on centers.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflector No. 500 Series



No. 500



Standard Quantity—1.

Weight. Approx. 7½ lbs.

Code: Permaflector No. 500 including Outlet Box Cover Assembly No. B-3 and Holder No. M-3.....**SHOFIHUN**
Permaflector No. 500-GO (Glass Only).....**FIHUNGLA**

Application—Primarily for deep windows, 9 to 16 feet high, in which trim is carried full height of window. Also excellent for other display lighting and coves in large interiors.

Spacing Recommended—15 inches on centers.

Bottom Opening Width—12 inches.

Lamp Size—

500 watt PS-40.

300 watt PS-35.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3 and Holder No. M-3. Attaches to any standard 4 inch outlet box 1½ inches. deep.

May Be Mounted on:

Conduit—No. 6 in which case discard outlet box cover.

For Colored Lighting: Use

Color-Lite—No. 7 or No. 8.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 500.

For Louvered Lighting: Use

Parallel Louver—

No. EM-555 for External Mounting.

Concentric Louver—

No. EM-555-C for External Mounting.

Permaflector No. 500-B

Standard Quantity—1.

Weight, Approx. 7½ lbs.

Code: Permaflector No. 500-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. M-3.....**FIVEHUNBI**

Lamp Size—

500 watt PS-40.

300 watt PS-35.

Permaflector No. 500-B same as Permaflector No. 500 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Permaflector No. 500-3

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 7½ lbs.

Code: Permaflector No. 500-3 including Outlet Box Cover Assembly No. B-33 and Holder No. M-3.....**FIHUNTRE**

Lamp Size—

200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

Permaflector No. 500-3 same as Permaflector No. 500 except equipped with Outlet Box Cover Assembly No. B-33.

Permaflector No. 500-3B

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 7½ lbs.

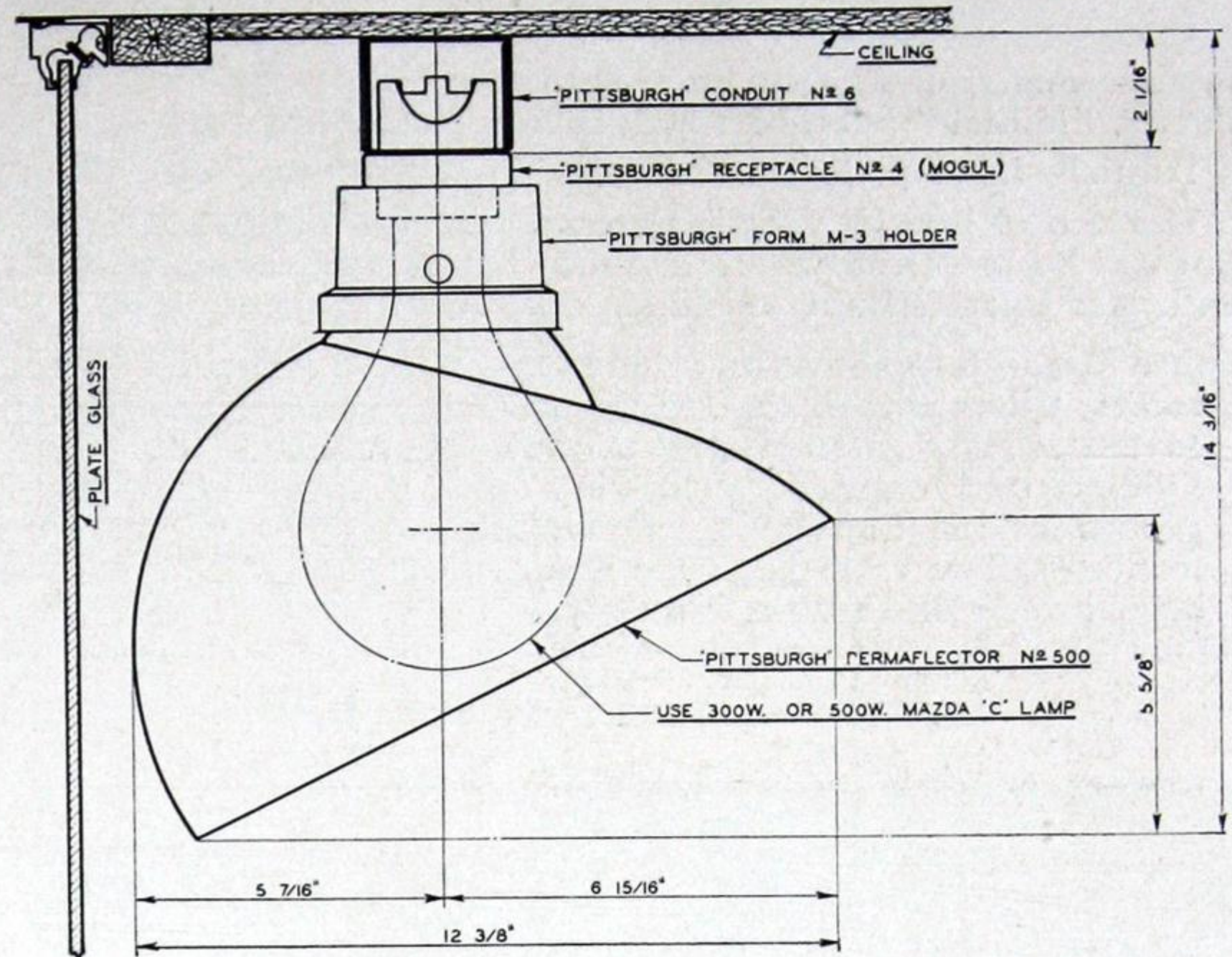
Code: Permaflector No. 500-3B including Box No. KO-11, Three-Light Mogul Socket No. 5 and Holder No. M-3.....**FIHUNTREB**

Lamp Size—

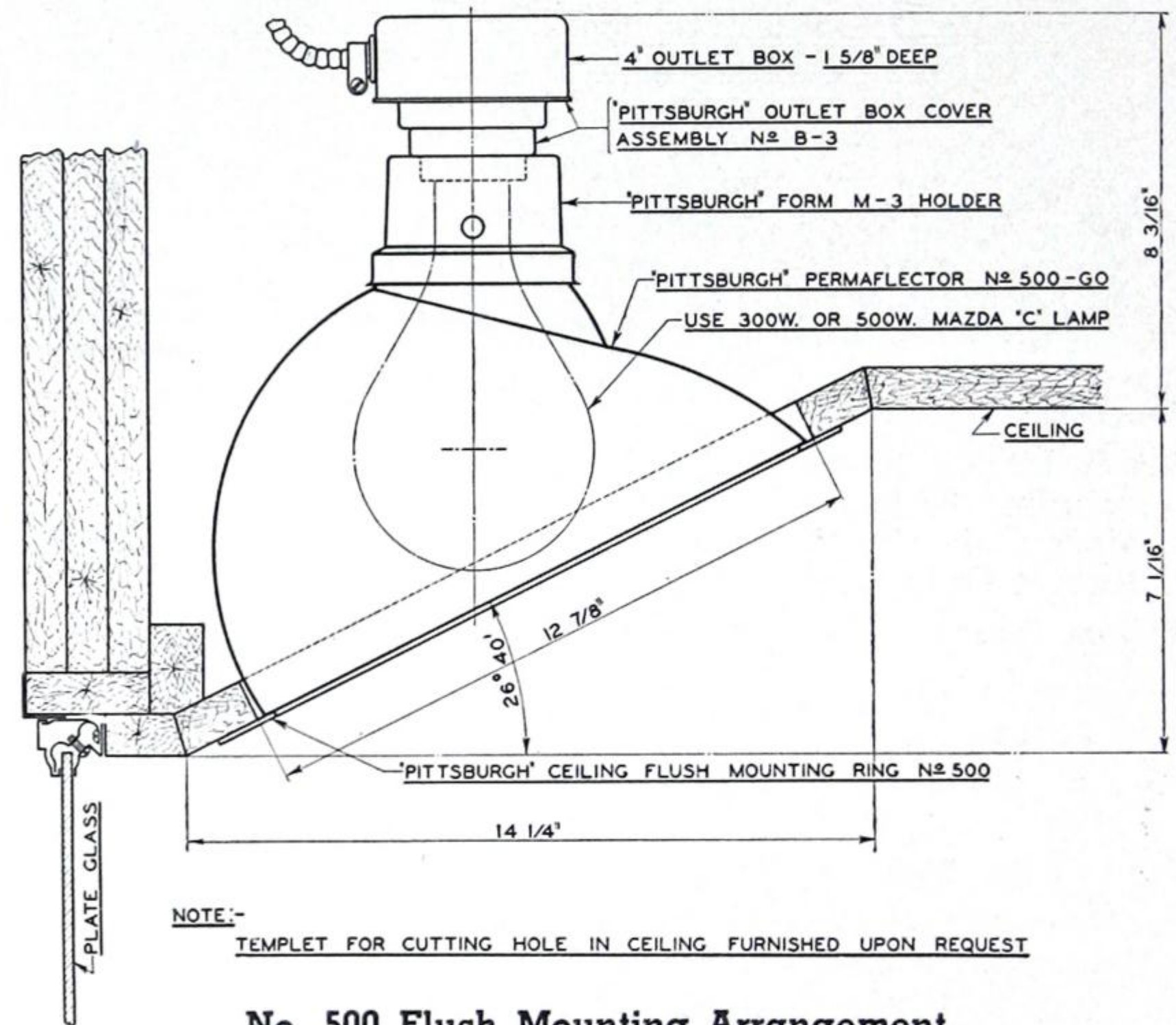
200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

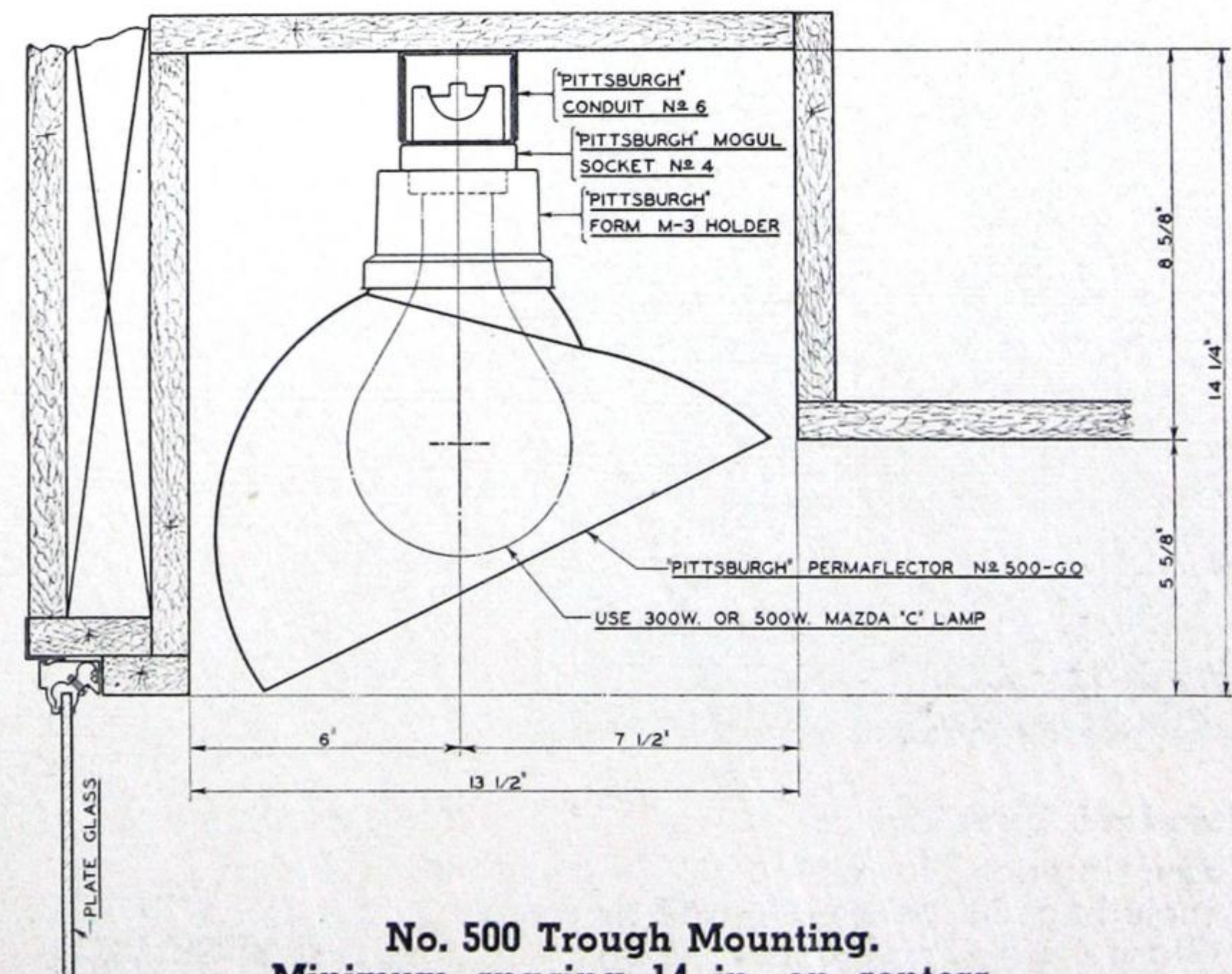
Permaflector No. 500-3B same as Permaflector No. 500-3 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.



No. 500 General Arrangement.
Minimum spacing 14 in. on centers.



No. 500 Flush Mounting Arrangement.
Minimum spacing 15 in. on centers.



No. 500 Trough Mounting.
Minimum spacing 14 in. on centers.

Permaflex Interior Floods

Permaflex Interior Floods are similar in construction to Interior Spots, excepting they employ a flood type of Permaflex, the distribution of which is less concentrating.

Furnished complete as shown, with socket, cord and plug.

The use of Interior Floods parallels the use of Interior Spots but will be preferred where a somewhat broader beam of light with less intense beam center is desired.

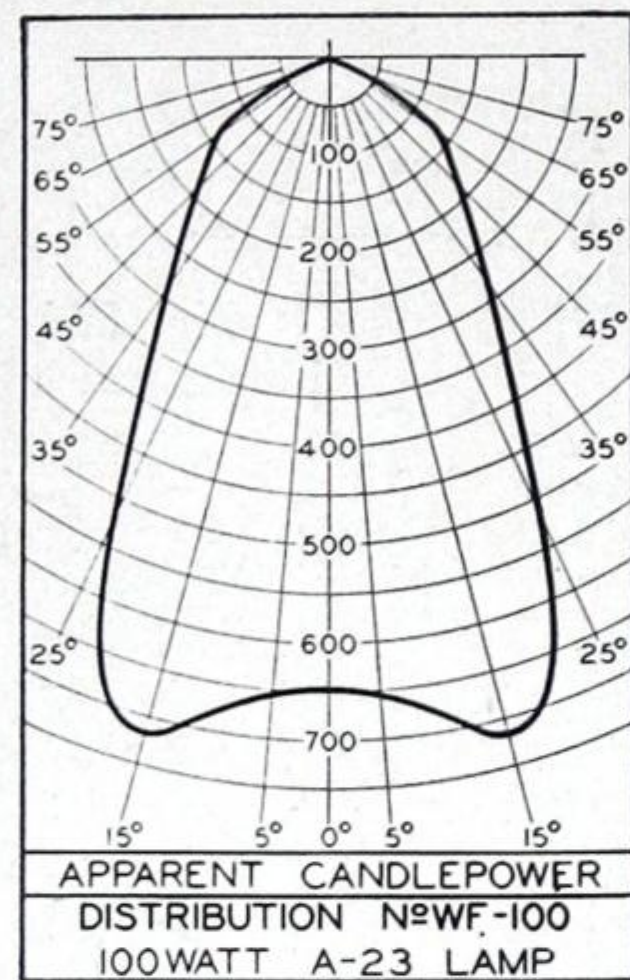
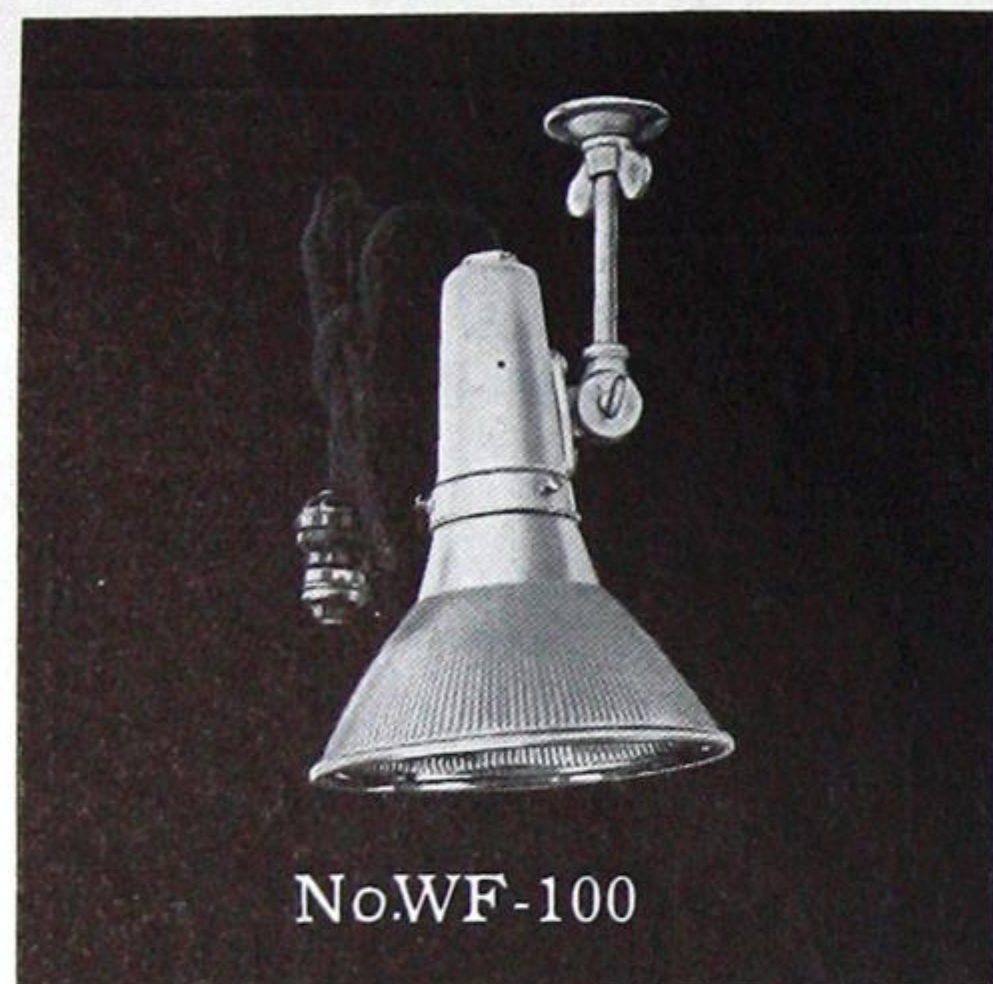
Other Uses—Supplementary illumination of automobile show rooms, where it is desired to flood the entire room in addition to the regular interior and window lighting; and for night lighting and emergency lighting service. A single Flood, placed at the front of a small store, usually over the entrance, will serve to flood the entire interior during the night as a protection against burglary.

Spacing—The number of Interior Floods to be installed in a window, the same as in the case of Spots, depends upon the psychological effect at which the display man is aiming. Usually two floods or spots should be provided in each window as an auxiliary to the window lighting. Extra convenience outlets should be provided in each window in order to properly serve these units.

There are many other special uses for Floods. Each lighting problem will require its own solution and we suggest that you consult our Engineering Department when you have a specific problem for solution.

Recessed Lighting: The reflectors used with Interior Floods may be recessed in the ceiling. Such recessed units also may be louvered.

Interior Flood No. WF-100



Standard Quantity—1.

Weight, Approx. 4 lbs.

Code: Interior Flood No. WF-100, complete as shown, including 30 inches of cord and plug.....**WINFLUDUN**
Glass Only (Permaflex No. I-60).....**EYESIX**
Bracket Only**WINFLUBRA**

Bottom Opening Circular—Diameter, 6 3/4 inches.

Height—Overall including bracket, 10 1/2 inches.

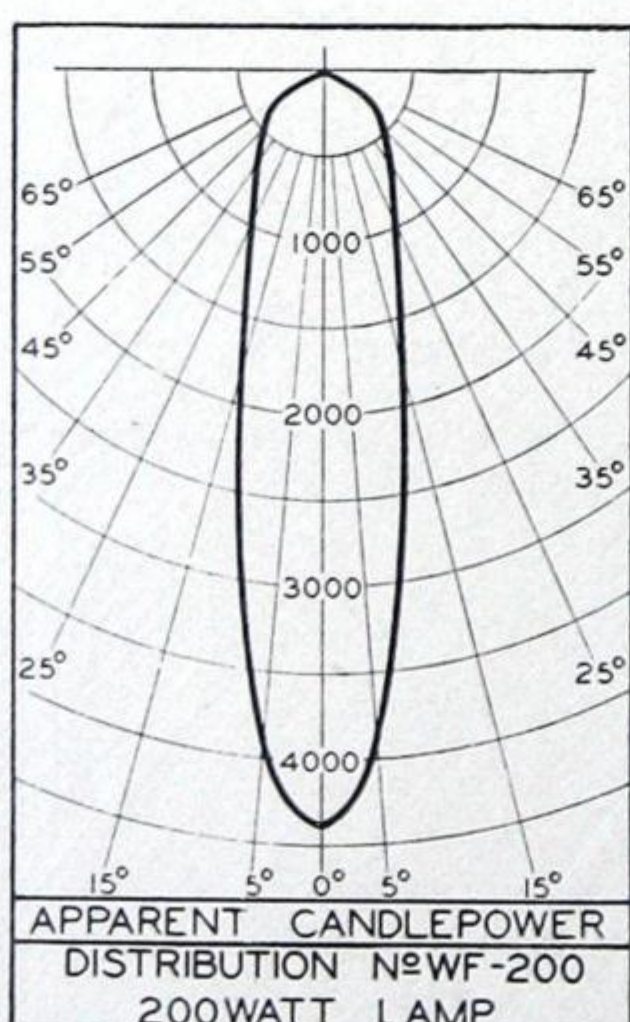
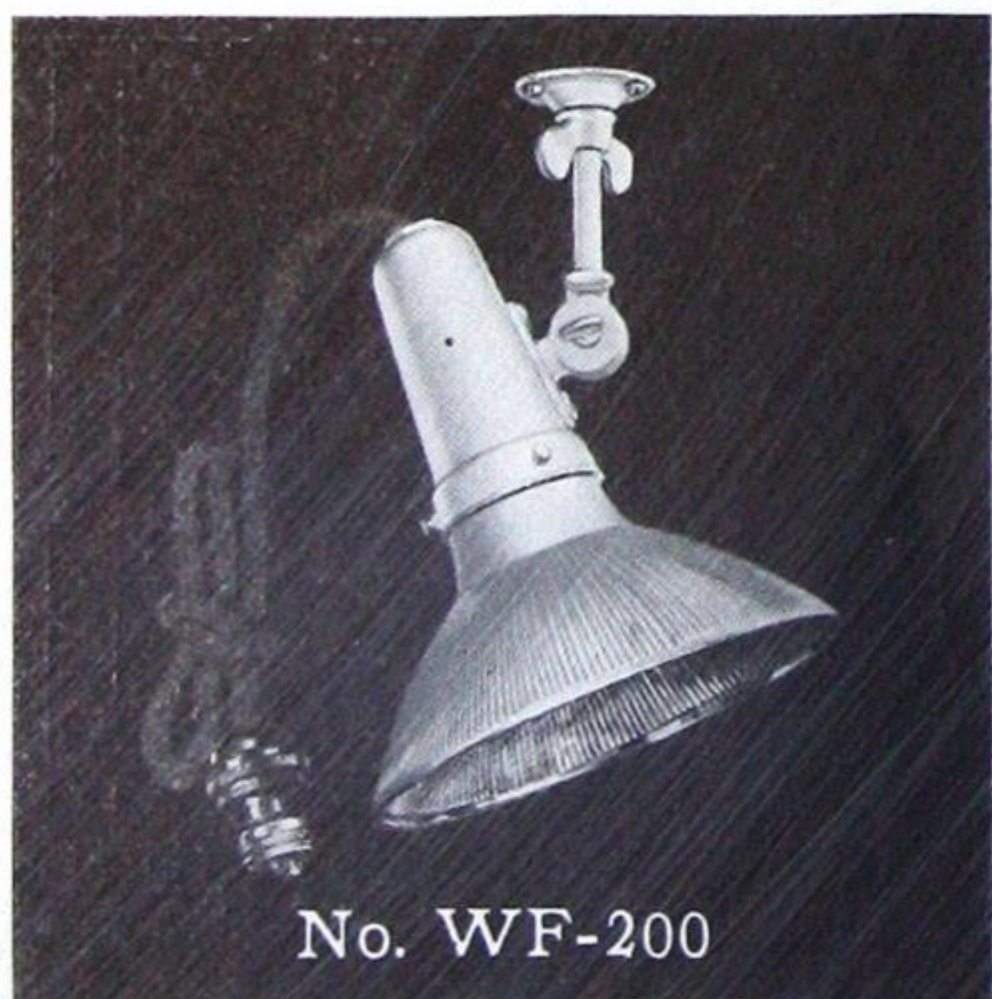
Lamp Size—100 watt A-23.

May Be Mounted on Knockout Strip—No. KO-1 with Hub No. KO-10 and Flange No. KO-12.

For Colored Lighting: Use **Color-Lite**—No. 4 or No. 4-DB.

For Louvered Lighting: Use **Parallel Louver**—No. EM-77.
Concentric Louver—No. EM-77-C.

Interior Flood No. WF-200



Standard Quantity—1.

Weight, Approx. 5 lbs.

Code: Interior Flood No. WF-200 complete as shown, including 30 inches of cord and plug.....**WINFLUD**
Glass Only (Permaflex No. I-201).....**WINFLUGLA**
Bracket Only**WINFLUBRA**

Bottom Opening Circular—Diameter, 9 7/8 inches.

Height—Overall including bracket, 11 1/4 inches.

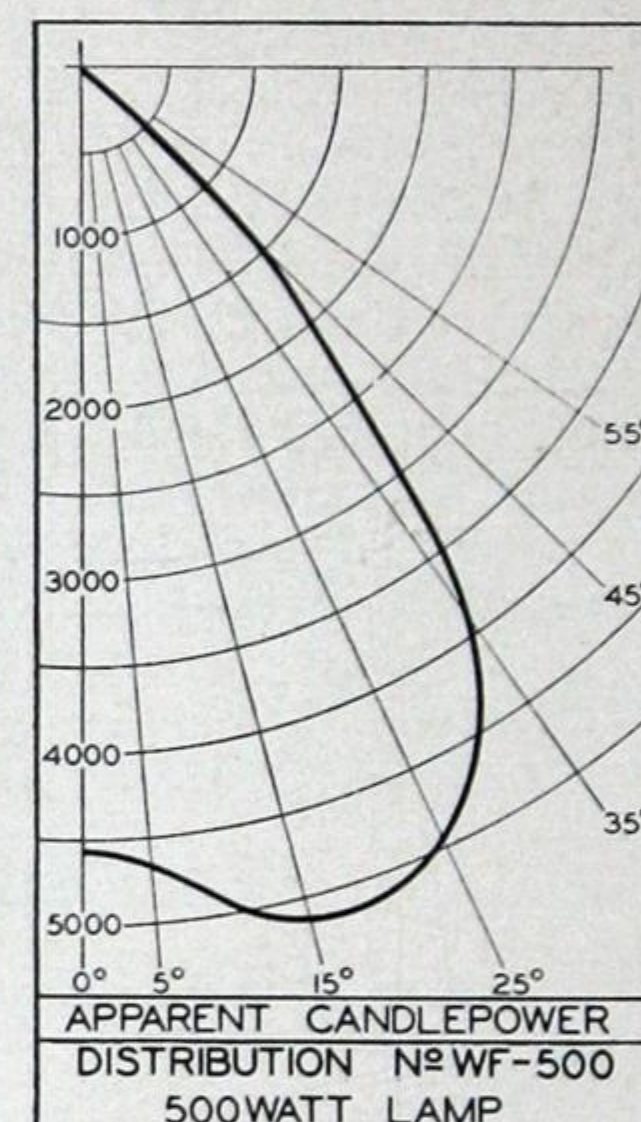
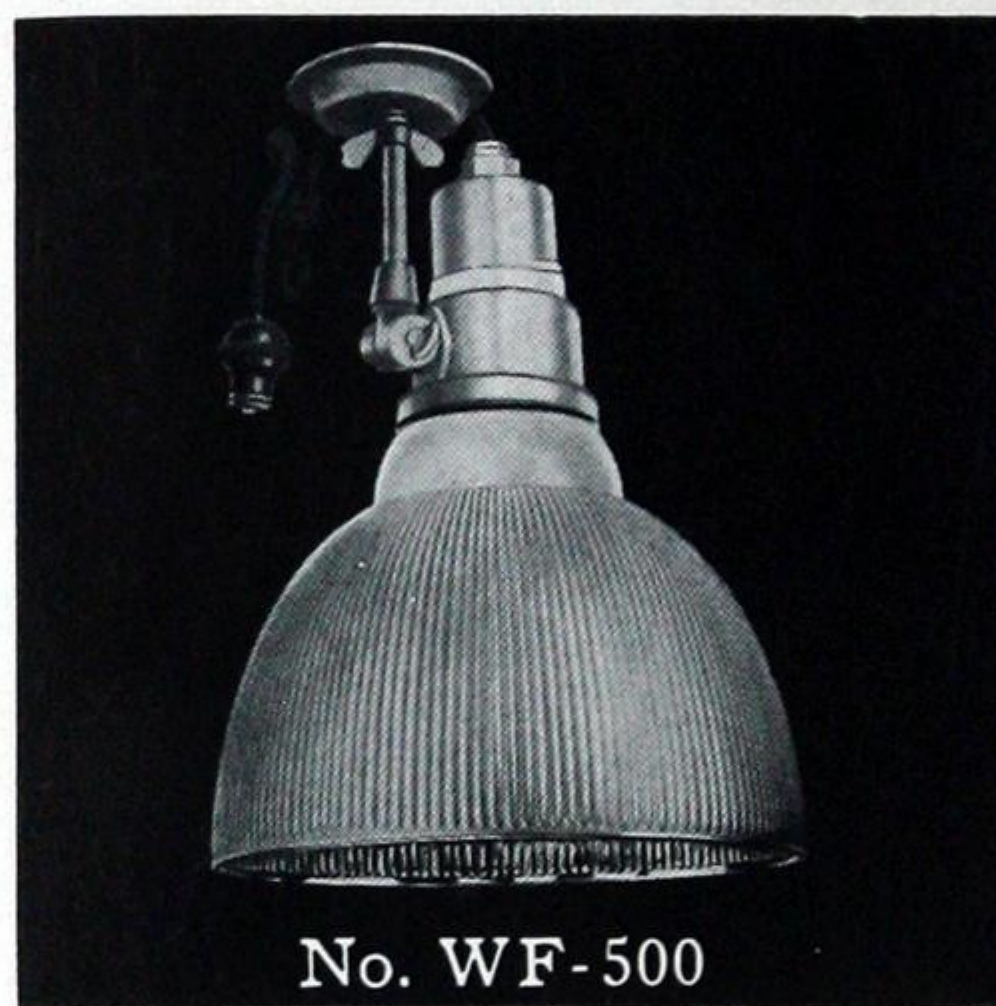
Lamp Size—200 watt PS-30.

May Be Mounted on Knockout Strip—No. KO-1 with Hub No. KO-10 and Flange No. KO-12.

For Colored Lighting: Use **Color-Lite**—No. 1, No. 2 or No. 2-DB.

For Louvered Lighting: Use **Parallel Louver**—No. EM-54.
Concentric Louver—No. EM-54-C.

Interior Flood No. WF-500



Standard Quantity—1.

Weight, Approx. 9 lbs.

Code: Interior Flood No. WF-500, complete as shown, including 30 inches of cord and plug.....**WINFLUFIVE**
Glass Only (Permaflex No. E-500-GO).....**EFIHUGLA**
Bracket Only**WINFLIBRAC**

Bottom Opening Circular—Diameter, 11 7/8 inches.

Height—Overall including bracket, 18 inches.

Lamp Size—500 watt PS-40. 300 watt PS-35.

May Be Mounted on Knockout Strip—No. KO-1 with Hub No. KO-10 and Flange No. KO-12. (When ordering WF-500 for this service ask for small base plate).

For Colored Lighting: Use **Color-Lite**—No. 13 or No. 14-A.

For Louvered Lighting: Use **Parallel Louver**—No. EME-500.
Concentric Louver—No. EME-500-C.

Interior Flood No. WF-500-3 For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 9 lbs.

Code: Interior Flood No. WF-500-3, (not wired).....**WINFLUTRE**
Bracket Only, (not wired).....**WINFUBTRE**

Lamp Size—

200-300-500 watt PS-40, Three-Light.

150-200-350 watt PS-35, Three-Light.

Interior Flood No. WF-500-3 same as WF-500 except equipped with Three-Light Mogul Socket No. 5, and not wired.

Permaflex Interior Spots

Permaflex Interior Spots are window lighting equipment consisting of an adjustable bracket with base for attaching to the ceiling, transom bar, etc.; spot type of Permaflex with exceedingly concentrating distribution; socket and husk. Furnished complete as illustrated, with cord and attachment plug.

They provide an effective method of high-lighting with clear or colored light, any portion of the window display to which the display man desires to focus the attention of the customers. Interior Spots are auxiliary window lighting equipment and are **not intended as the sole source** of illumination in a show window.

Other Uses—Reducing daylight reflections in a show window; for special lighting on stages; in automobile show rooms, to silhouette a car against a light background; dance halls for so-called "moonlight" dances; lighting of walls of art galleries and churches; skylights and church art glass windows; and any other purpose where exceedingly concentrated

illumination is desired over a limited area.

Spacing—The number installed in a show window depends largely upon the psychological effect at which the display man is aiming.

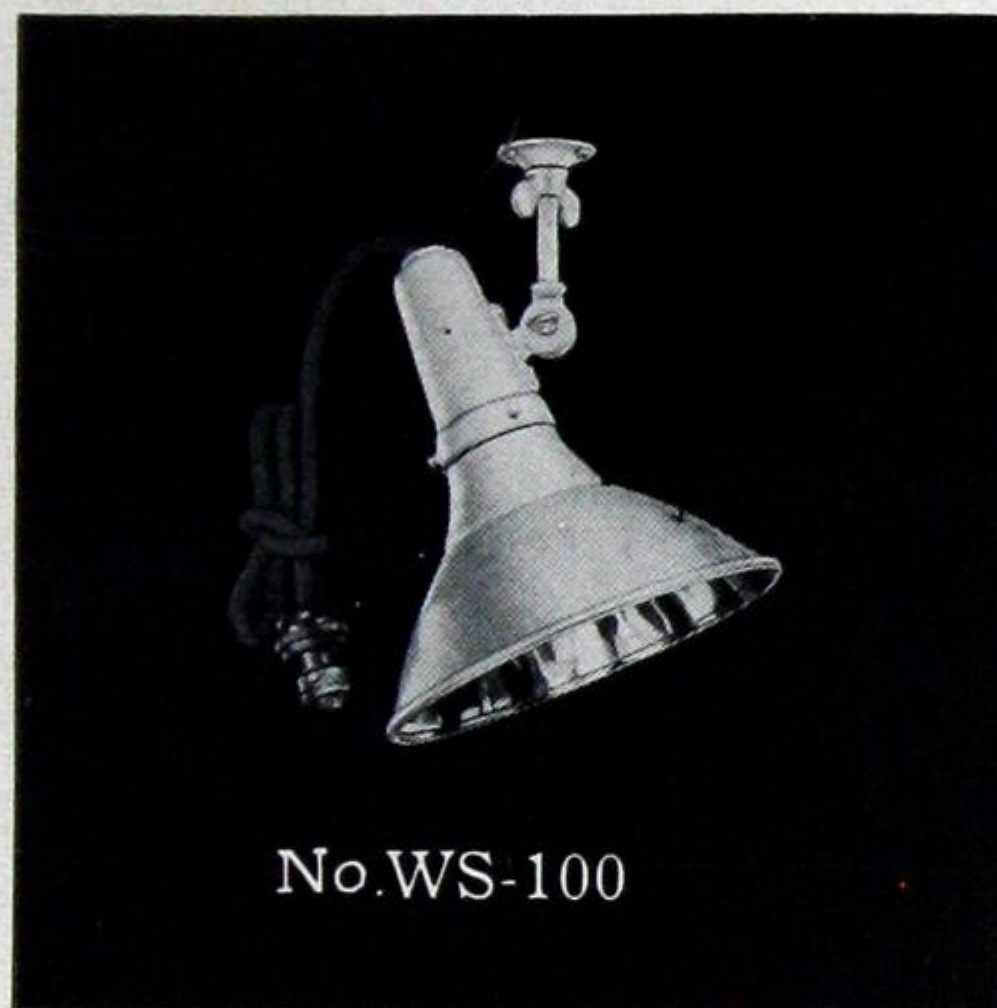
In general, it is well to provide two in each show window as an auxiliary to the regular show window lighting. Extra convenience receptacles should be provided in each window, in order to properly serve these units.

Color Lighting—Color-Lites are available for use with each size Permaflex Spot.

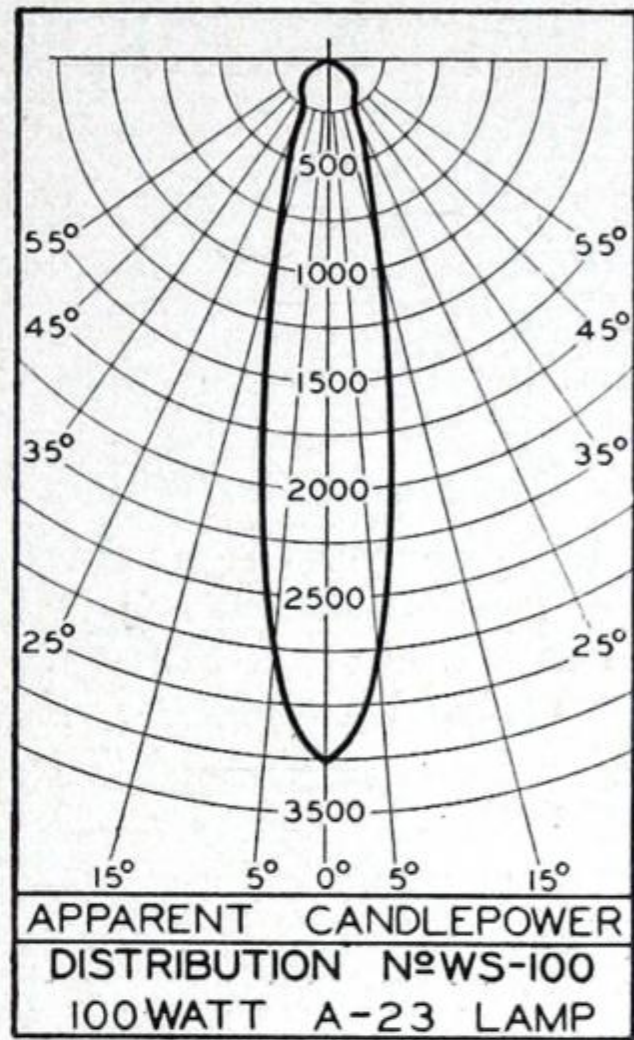
Louvered Lighting: When it is desired to conceal the reflector and lamp, use concentric louvers, EM series.

Recessed Lighting: The reflectors used with Interior Spots may be recessed in the ceiling. Such recessed units also may be louvered.

Interior Spot No. WS-100



No. WS-100



Standard Quantity—1.

Weight, Approx. 4 lbs.

Code: Interior Spot No. WS-100, complete as shown, including 30 inches of cord and plug.....**SPOHUN**
Glass Only (Permaflex No. C-100).....**SEEHUNDER**
Bracket Only**SPOHUBRAC**

Bottom Opening Circular—
Diameter, 8 1/8 inches.

Height—
Overall including bracket, 11 in.

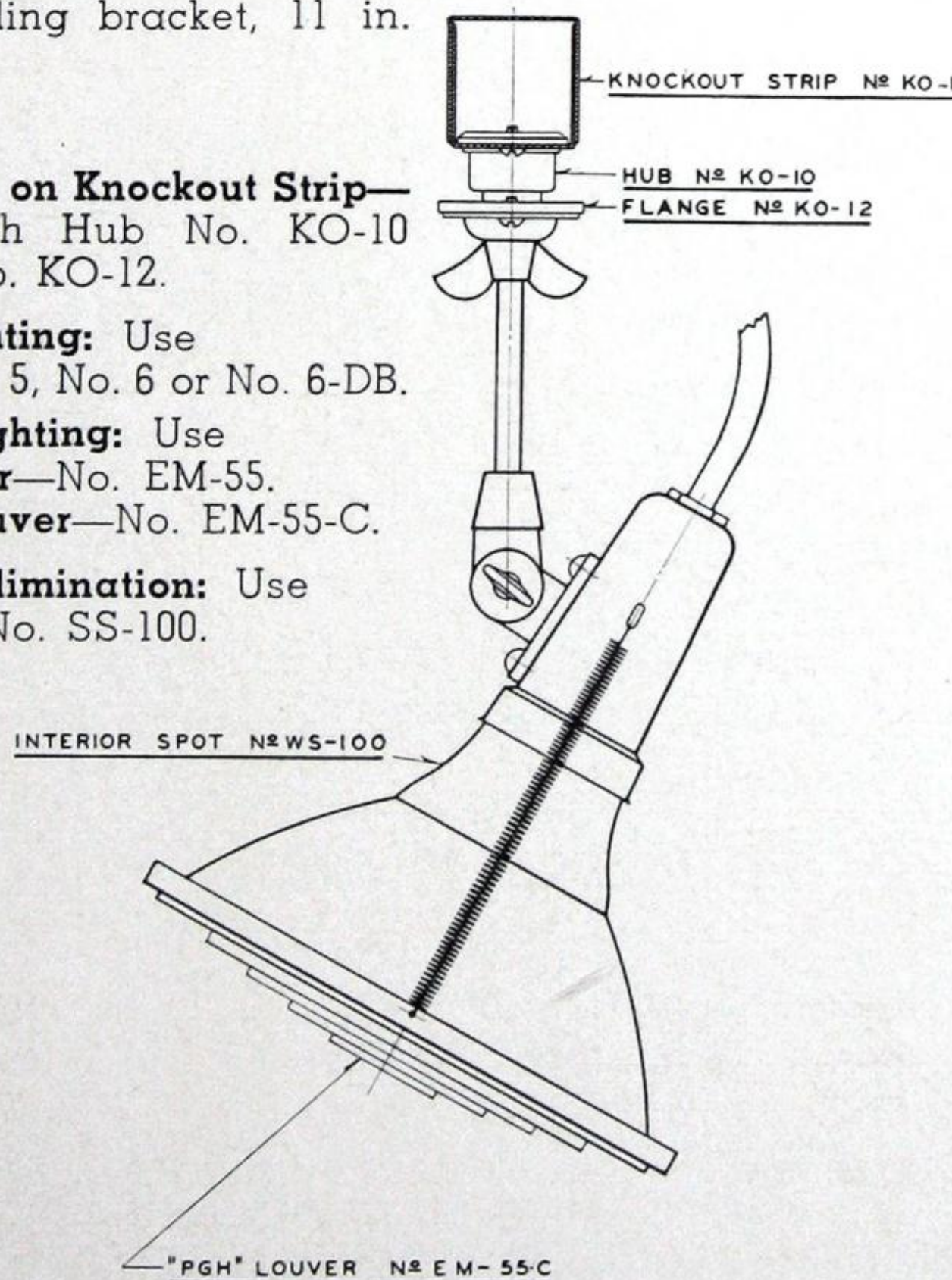
Lamp Size—
100 watt A-23.

May be Mounted on Knockout Strip—
No. KO-1 with Hub No. KO-10 and Flange No. KO-12.

For Colored Lighting: Use
Color-Lite—No. 5, No. 6 or No. 6-DB.

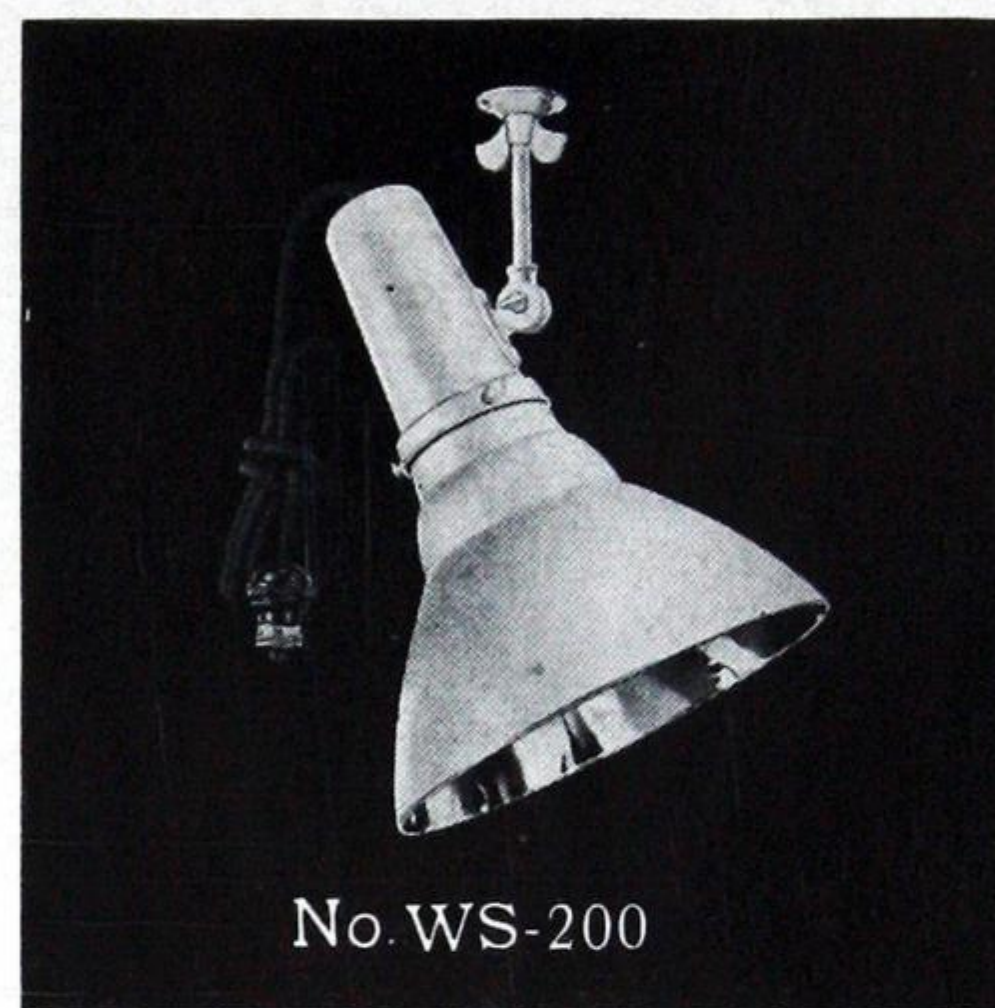
For Louvered Lighting: Use
Parallel Louver—No. EM-55.
Concentric Louver—No. EM-55-C.

For Spill Light Elimination: Use
Spill Shield—No. SS-100.

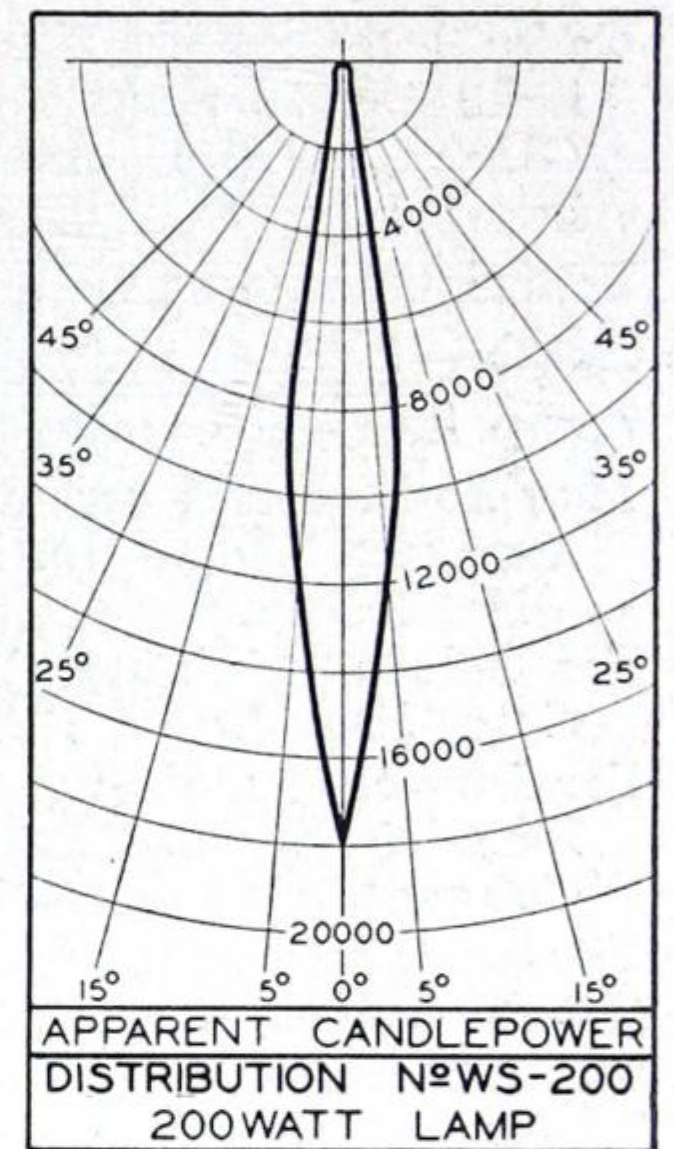


Interior Spot No. WS-100 Equipped Concentric Louver.

Interior Spot No. WS-200



No. WS-200



Standard Quantity—1.

Weight, Approx. 5 lbs.

Code: Interior Spot No. WS-200 complete as shown, including 30 inches of cord and plug.....**WINSPOT**
Glass Only (Permaflex No. C-201).....**SETUHUNWON**
Bracket Only**WINSPOBRAC**

Bottom Opening Circular—
Diameter, 10 inches.

Height—Overall including bracket, 13 1/2 inches.

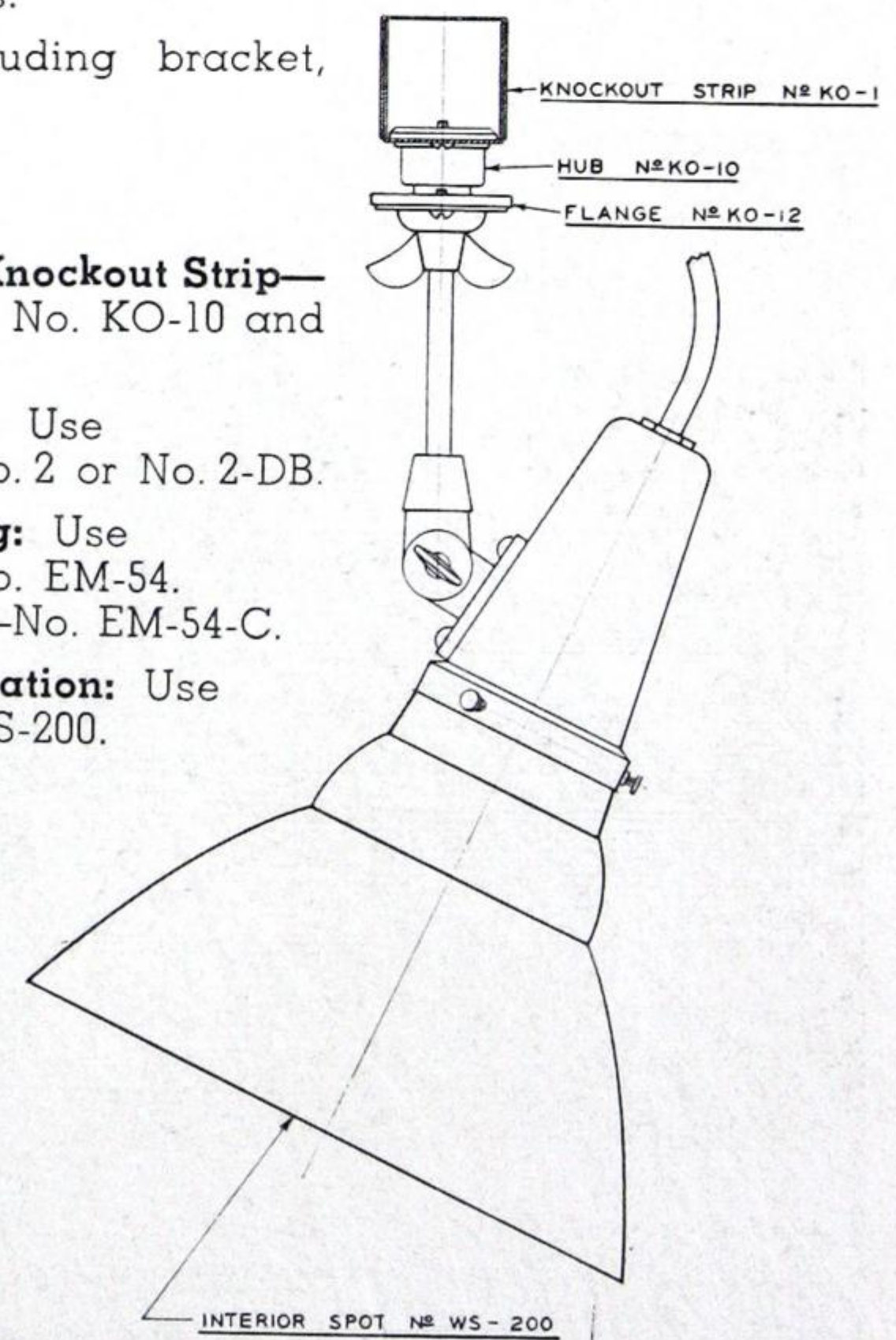
Lamp Size—
200 watt PS-30.

May Be Mounted on Knockout Strip—
No. KO-1 with Hub No. KO-10 and Flange No. KO-12.

For Colored Lighting: Use
Color-Lite—No. 1, No. 2 or No. 2-DB.

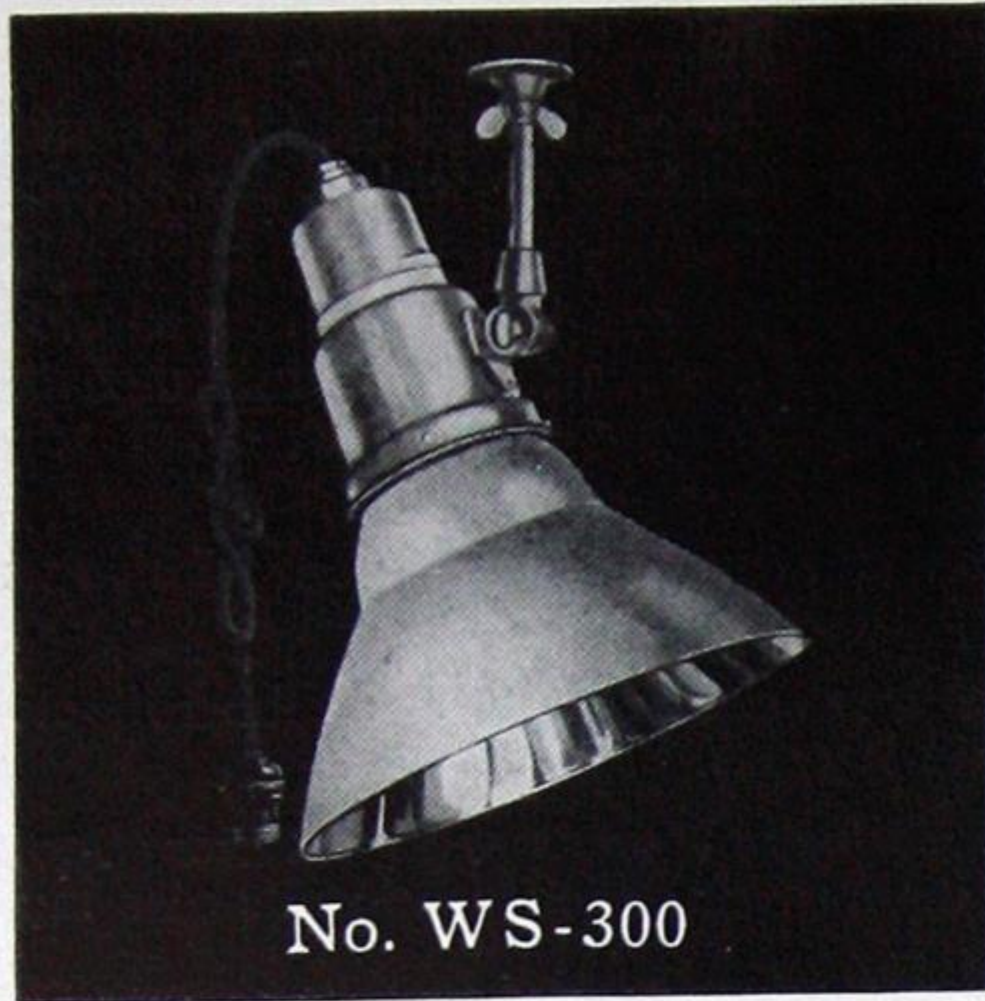
For Louvered Lighting: Use
Parallel Louver—No. EM-54.
Concentric Louver—No. EM-54-C.

For Spill Light Elimination: Use
Spill Shield—No. SS-200.

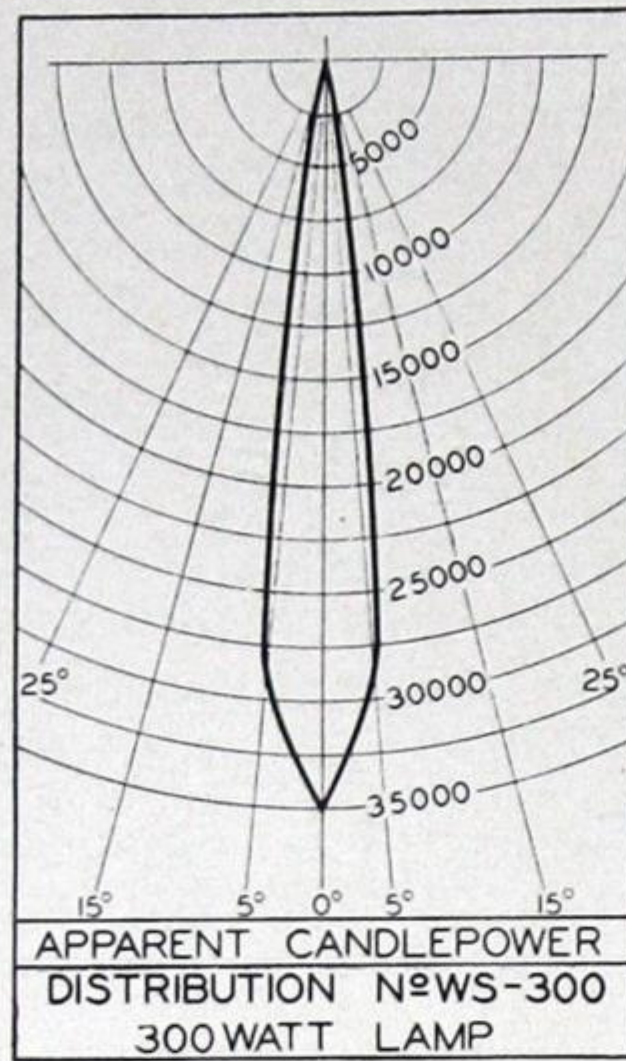


Interior Spot No. WS-200 suspended from Knockout Strip.

Interior Spot No. WS-300



No. WS-300



Standard Quantity—1.

Weight, Approx. 7 lbs.

Code: Interior Spot No. WS-300 complete as shown, including 30 inches of cord and plug.....**WINSPIRE**
Glass Only (Permaflexor No. C-300).....**SEETREEHUN**
Bracket Only.....**WINSPIREBRA**

Bottom Opening Circular—Diameter, 11½ inches.

Height—Overall including bracket, 13¾ inches.

Lamp Size—300 watt PS-35.

May Be Mounted on:

Knockout Strip—No. KO-1 with Hub No. KO-10 and Flange No. KO-12.

For Colored Lighting: Use

Color-Lite—No. 9, No. 10 or No. 10-DB.

For Louvered Lighting: Use

Parallel Louver—No. EME-500.

Concentric Louver—No. EME-500-C.

For Spill Light Elimination: Use

Spill Shield—No. SS-300.

Interior Spot No. WS-300-3

For Use With Three-Light Lamp

Standard Quantity—1.

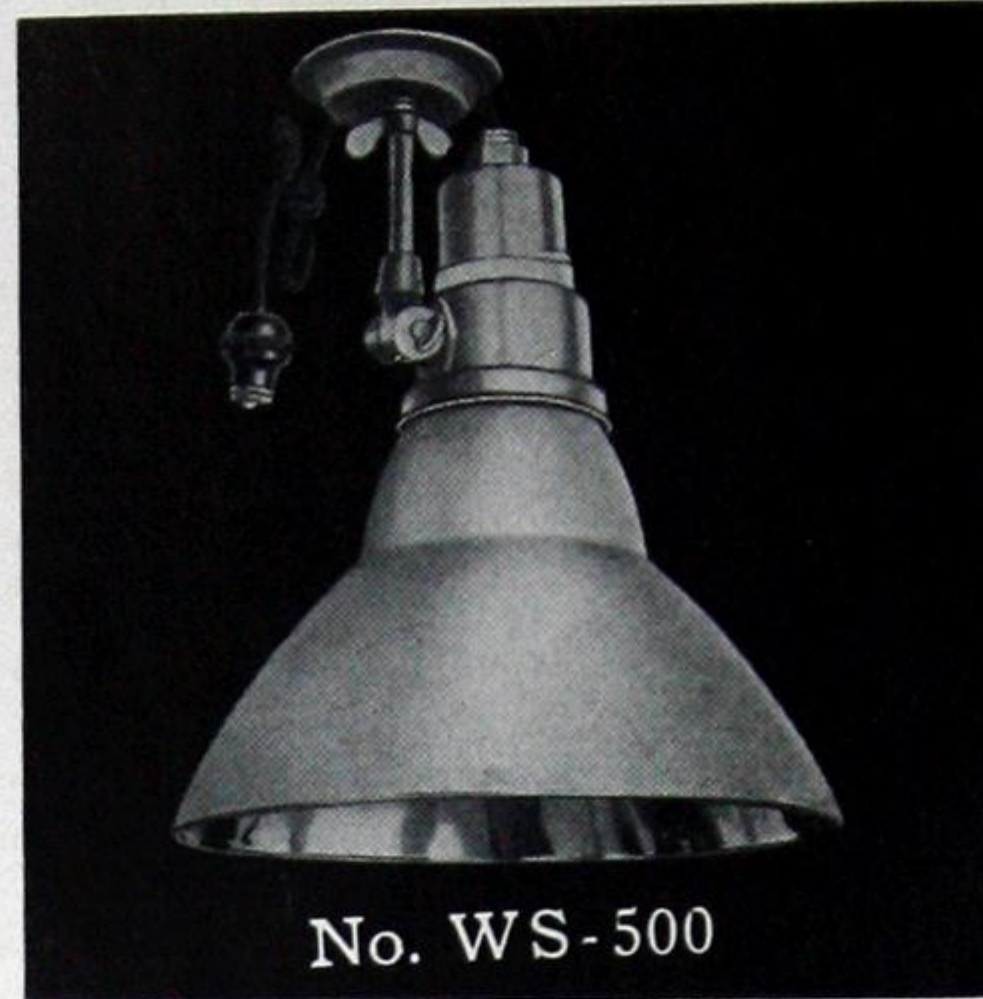
Weight, Approx. 7 lbs.

Code: Interior Spot No. WS-300-3, (no cord and plug).....**WINSPIRETRE**
Bracket Only, (No cord and plug).....**WINBRACTRE**

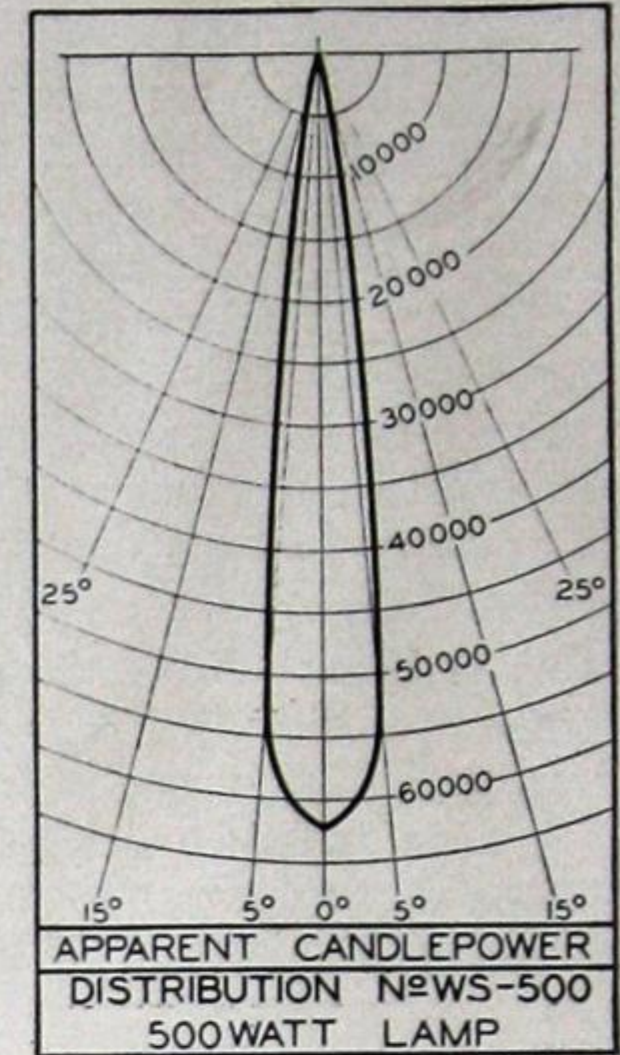
Lamp Size—150-200-350 watt PS-35, Three-Light.

Interior Spot No. WS-300-3 same as WS-300 except equipped with Three-Light Mogul Socket No. 5, and not wired.

Interior Spot No. WS-500



No. WS-500



Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: Interior Spot No. WS-500 complete as shown, including 30 inches of cord and plug.....**WINSPIVE**
Glass Only (Permaflexor No. C-500).....**WINSPIGLA**
Bracket Only.....**WINSPIBRA**

Bottom Opening Circular—Diameter, 13½ inches.

Height—Overall including bracket, 18 inches.

Lamp Size—500 watt PS-40; 300 watt PS-35.

May Be Mounted on:

Knockout Strip—No. KO-1 with Hub No. KO-10 and Flange No. KO-12. (When ordering WF-500 for this service ask for small base plate).

For Colored Lighting: Use

Color-Lite—No. 7, No. 8 or No. 8-DB.

For Louvered Lighting: Use

Parallel Louver—No. EM-555.

Concentric Louver—No. EM-555-C.

For Spill Light Elimination: Use

Spill Shield—No. SS-500.

Interior Spot No. WS-500-3

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: Interior Spot No. WS-500-3, (No cord and plug).....**WINBRACTRE**
Bracket Only, (No cord and plug).....**WINSBRATRE**

Lamp Size—

200-300-500 watt PS-40, Three-Light.

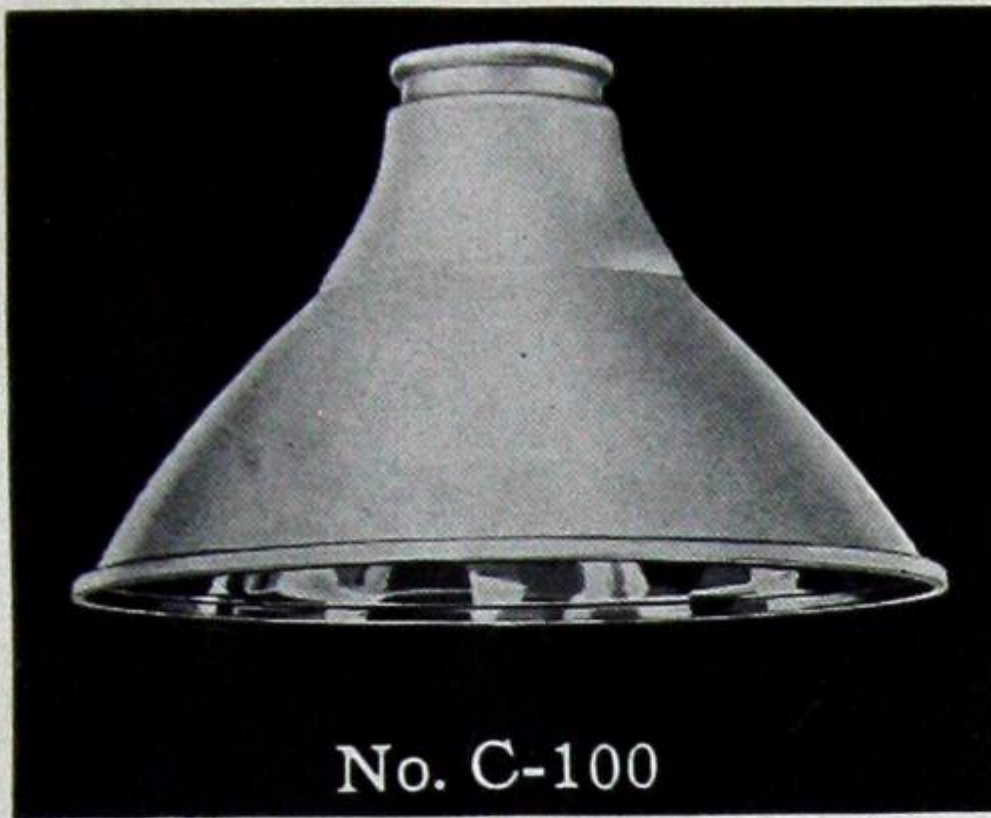
150-200-350 watt PS-35, Three-Light.

Interior Spot No. WS-500-3 same as WS-500 except equipped with Three-Light Mogul Socket No. 5 and not wired.

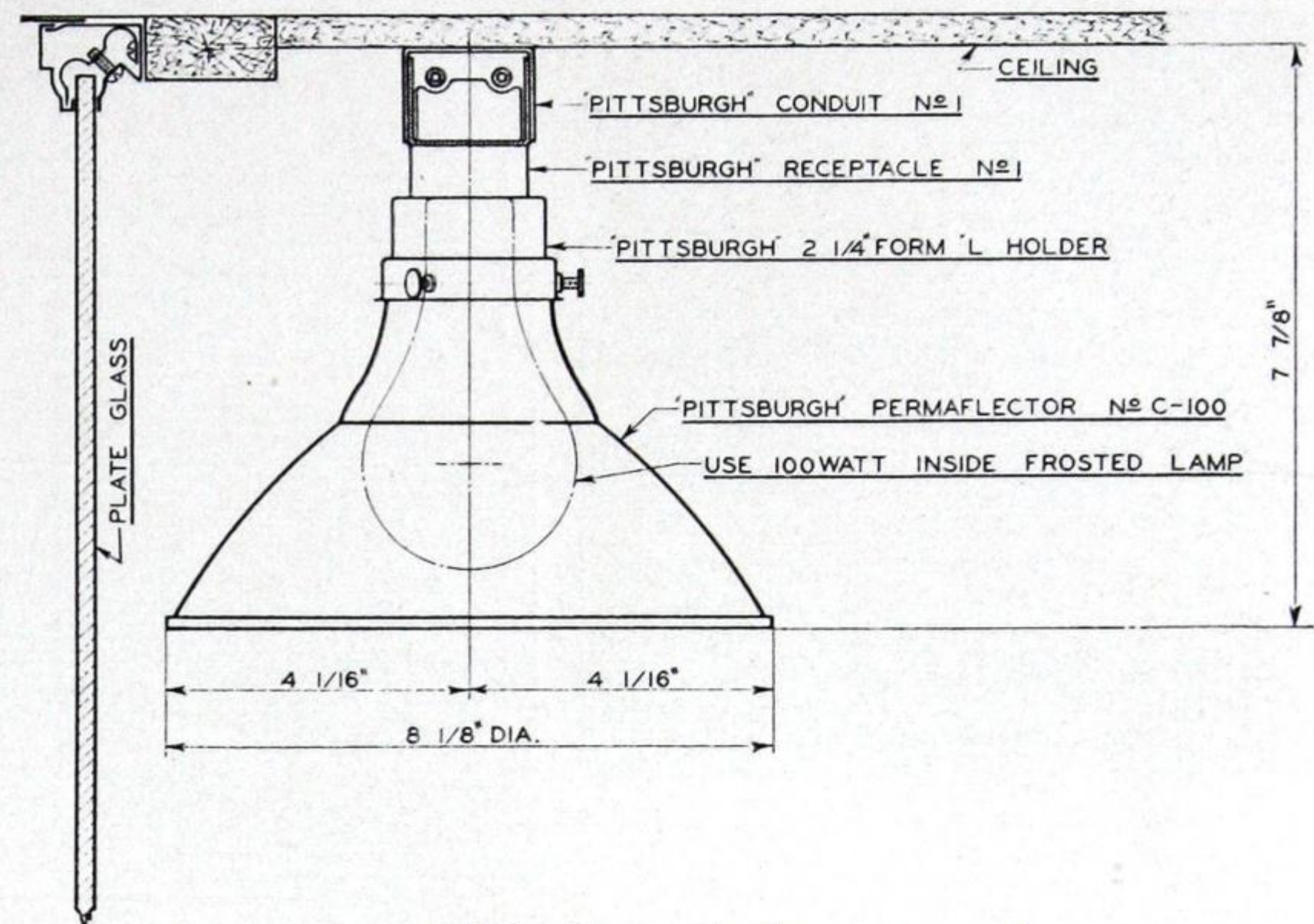
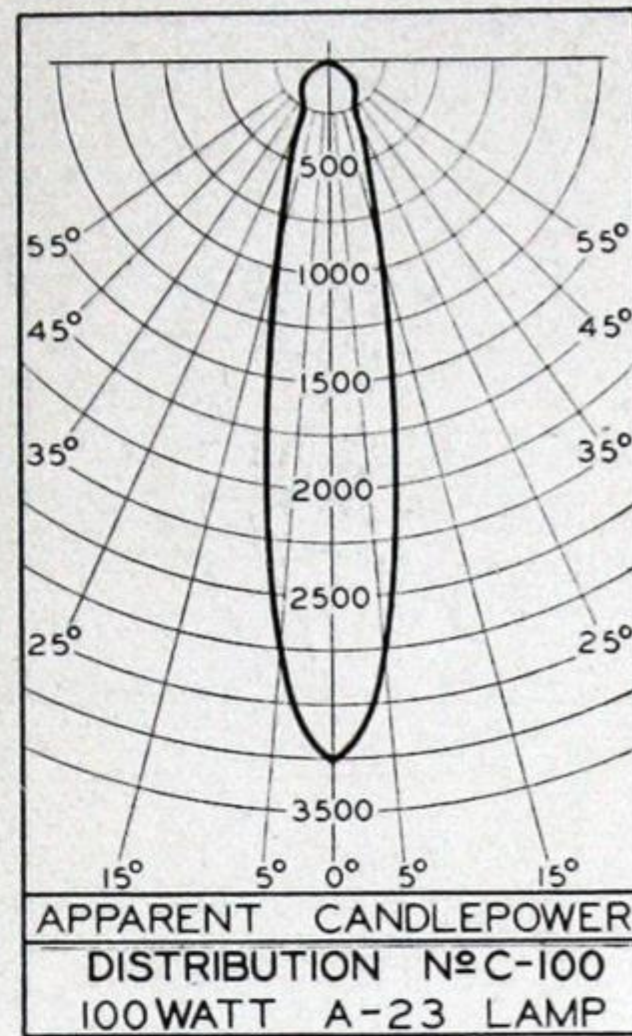


PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflexor C-100



No. C-100



No. C-100 General Arrangement.

Standard Quantity—10.

Weight, Approx. 12 lbs.

Code: Permaflexor No. C-100 SEEHUNDER

Application—This is Permaflexor used with Spot WS-100. May be set flush in ceiling and louvered for spot lighting effects. A good cove lighting reflector where narrow concentrated beam of light for long throw is required.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 8 1/8 inches.

Lamp Size—

60 watt A-21; 75 watt A-21; 100 watt A-23; 150 watt A-25.

Holder—with brass shell socket, use: 2 1/4 inch Form 'OB' holder for 60 watt A-21 lamp; 2 1/4 inch Form 'HB' holder for 100 watt A-23 lamp; with grooved porcelain socket, use: 2 1/4 inch Form 'OP' holder for 60 watt A-21 lamp; 2 1/4 inch Form 'HP' holder for 100 watt A-23 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3 1/4 or B-1-4, use: 2 1/4 inch Form 'S' holder for 60 watt A-21 lamp; 2 1/4 inch Form 'SL' holder for 75 watt A-21 lamp; 2 1/4 inch Form 'L' holder for 100 watt A-23 lamp; 2 1/4 inch Form 'LCA' holder for 150 watt A-25 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3 1/4 or B-1-4 with 2 1/4 inch Form 'S', 'SL', 'L', or 'LCA' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2 1/4 inch Form 'S', 'SL', 'L' or 'LCA' holders.
No. 12 or No. 62 with 2 1/4 inch Form 'OP' or 'HP' holders.

For Colored Lighting: Use

Color-Lite—No. 5, No. 6 or No. 6-DB for external mounting.
No. 61 or 61-DB for use with Flush Mounting Ring No. C-100.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 55-A with Flush Mounting Ring No. C-100.
No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. C-100.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 1-A.

For Louvered Lighting: Use

Parallel Louver—

No. EM-55 for External Mounting.
No. FM-55 for use with Flush Mounting Ring No. C-100.

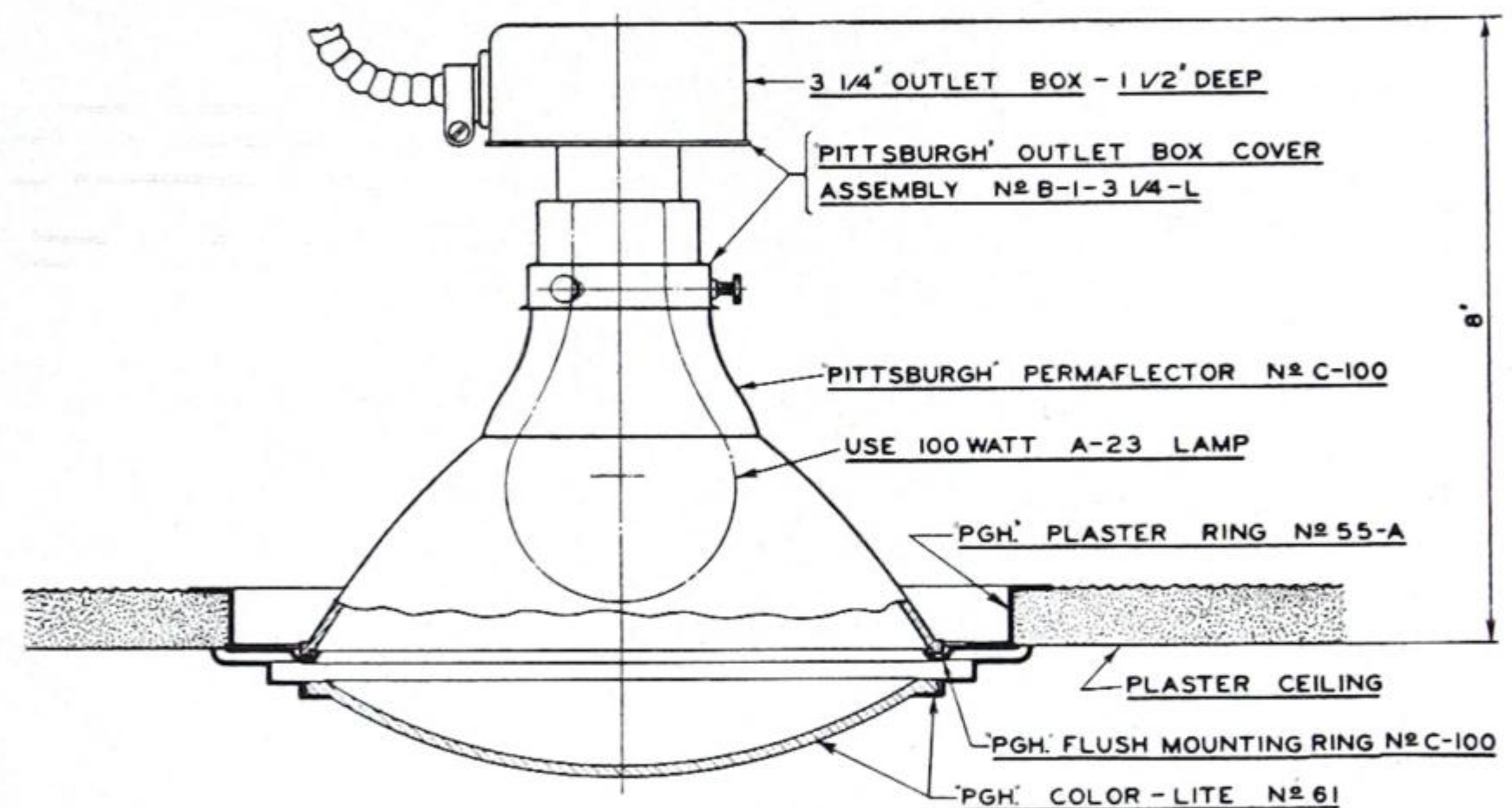
Egg Crate Louver—

No. FEC-100 for use with Flush Mounting Ring No. C-100.

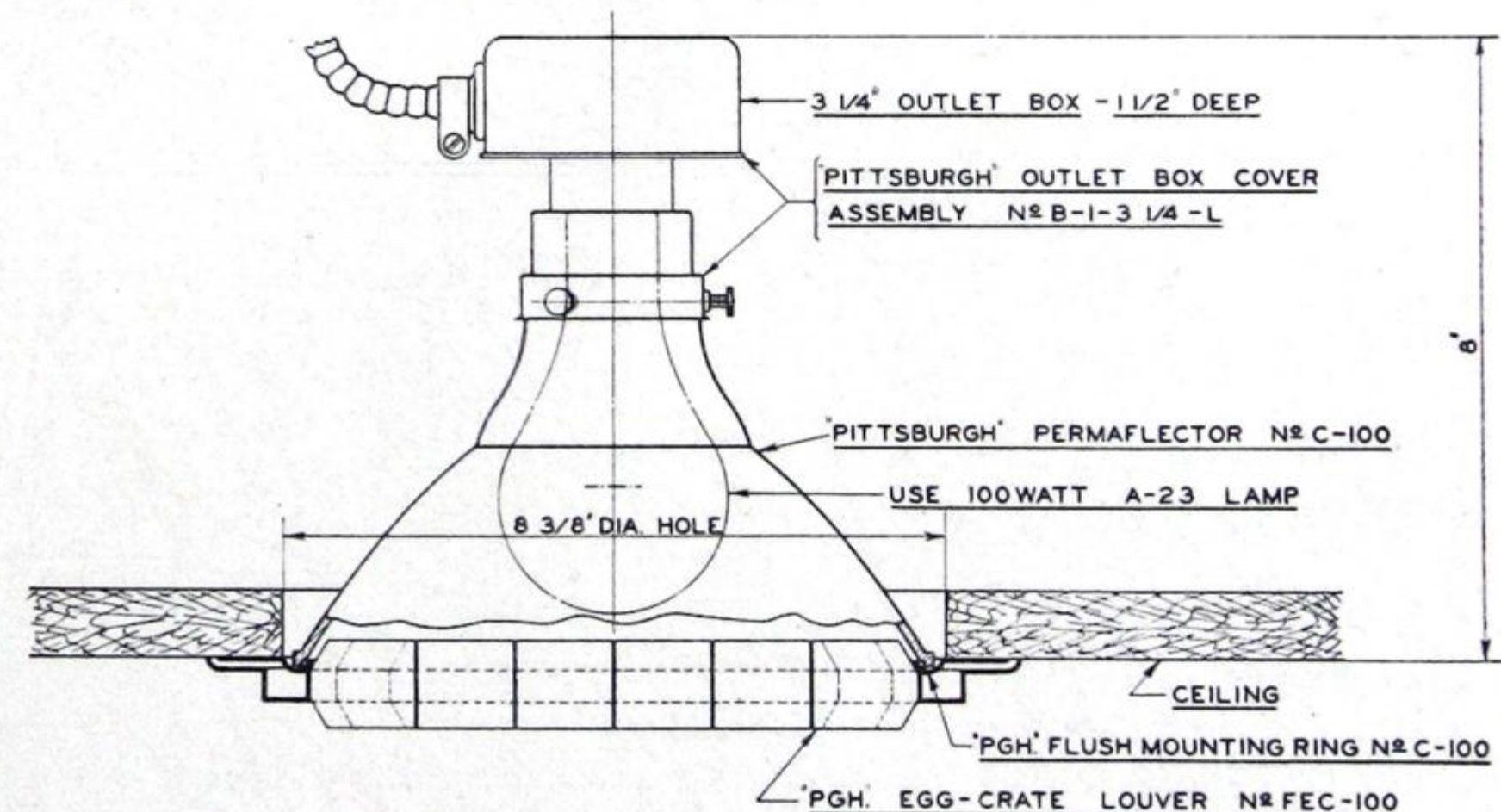
Concentric Louver—

No. EM-55-C for External Mounting.
No. FM-55-C for use with Flush Mounting Ring No. C-100.

Hinged Concentric Louver—No. 1-A.



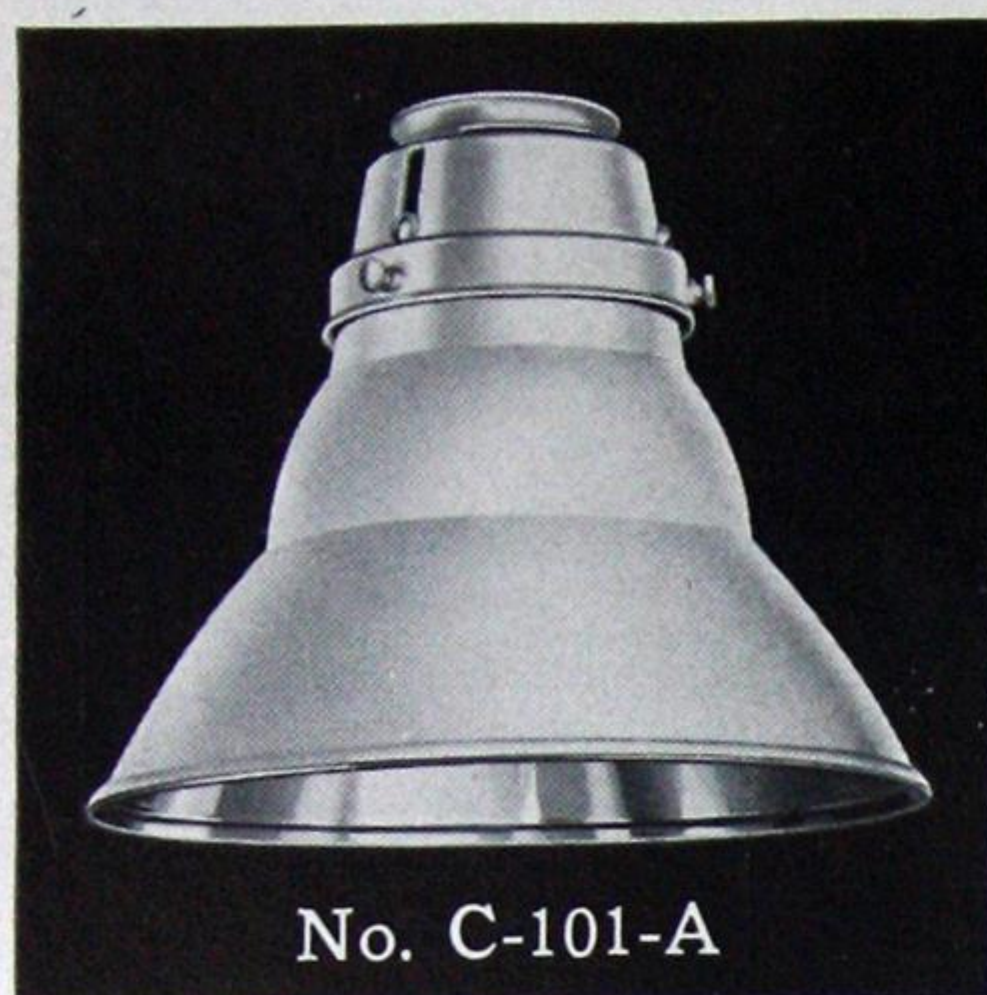
No. C-100 Recessed in Plaster Ceiling and Color-Lite.



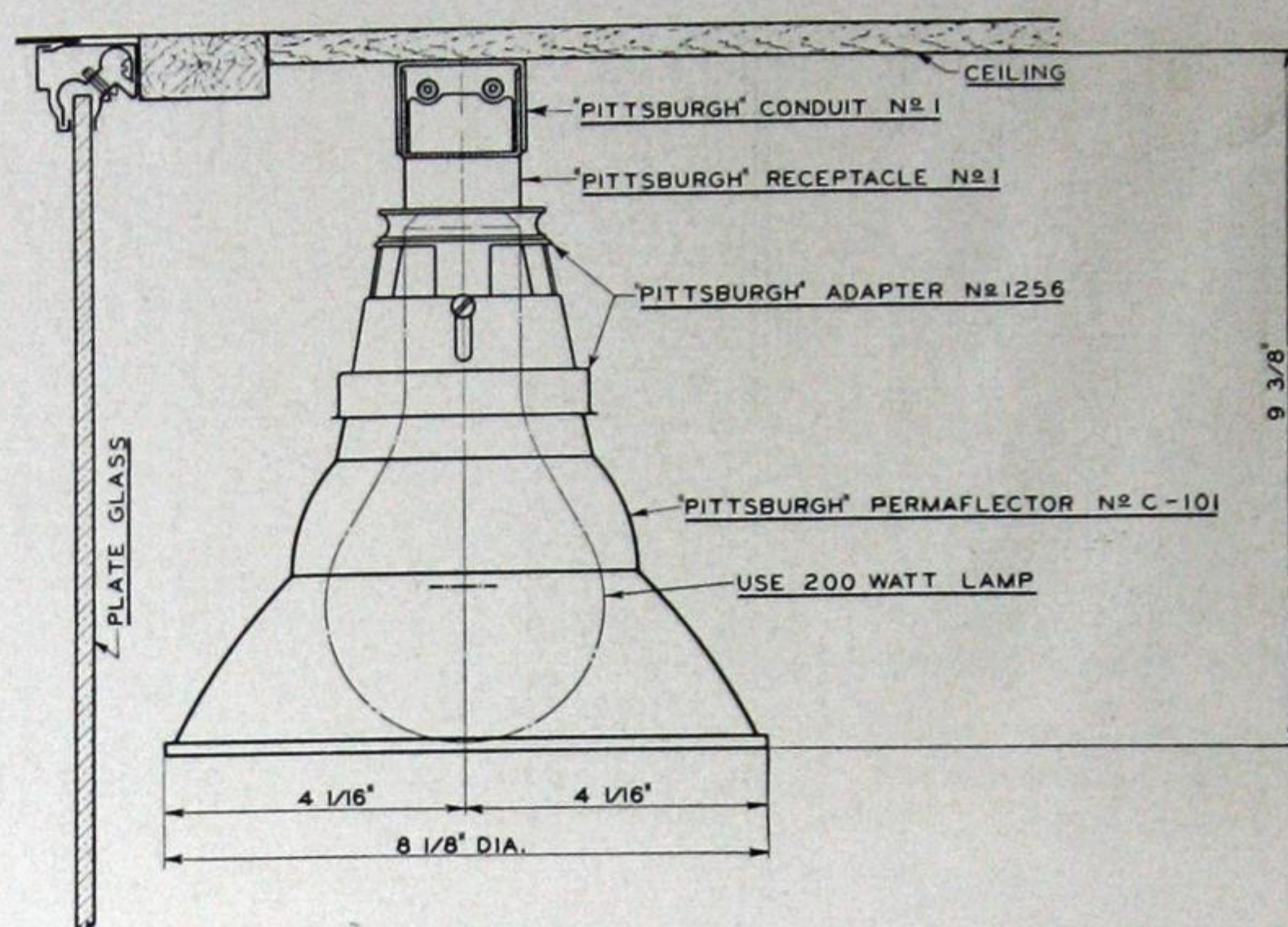
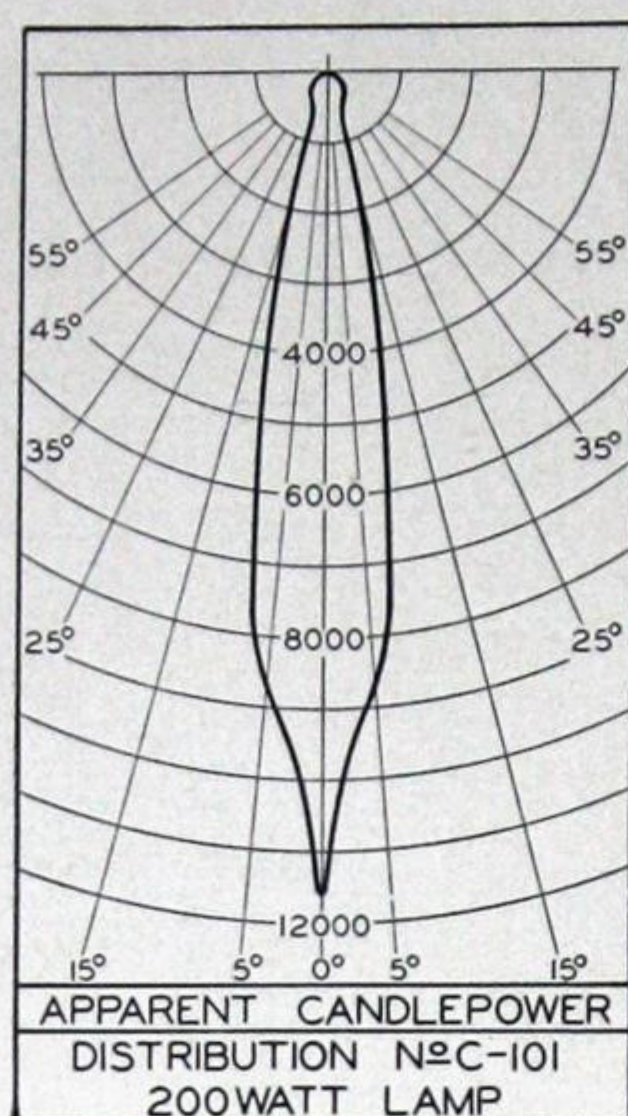
No. C-100 Recessed in Ceiling and Egg-Crate Louver.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permalector C-101-A and C-101-R



No. C-101-A



No. C-101 General Arrangement

Standard Quantity—10.

Weight, Approx. 16 lbs.

Code: Permalector No. C-101-A including Adapter

No. 1256 **SEHUNODA**

Permalector No. C-101-R including Adapter

No. 1256-R **SEHUNODAR**

Application—May be used for same purposes as C-100, where 200 watt lamp size is required.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 8 1/8 inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.

200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket, use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3/4 or B-1-4, use Adapter No. 1256 attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3/4 or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Colored Lighting: Use

Color-Lite—No. 5, No. 6 or No. 6-DB for external mounting. No. 61 or No. 61-DB for use with Flush Mounting Ring No. C-100.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 55-A with Flush Mounting Ring No. C-100.

No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use Flush Mounting Ring—No. C-100.

When Recessed in Ceiling and Concealed: Use Hinged Ceiling Roundel—No. 1-A.

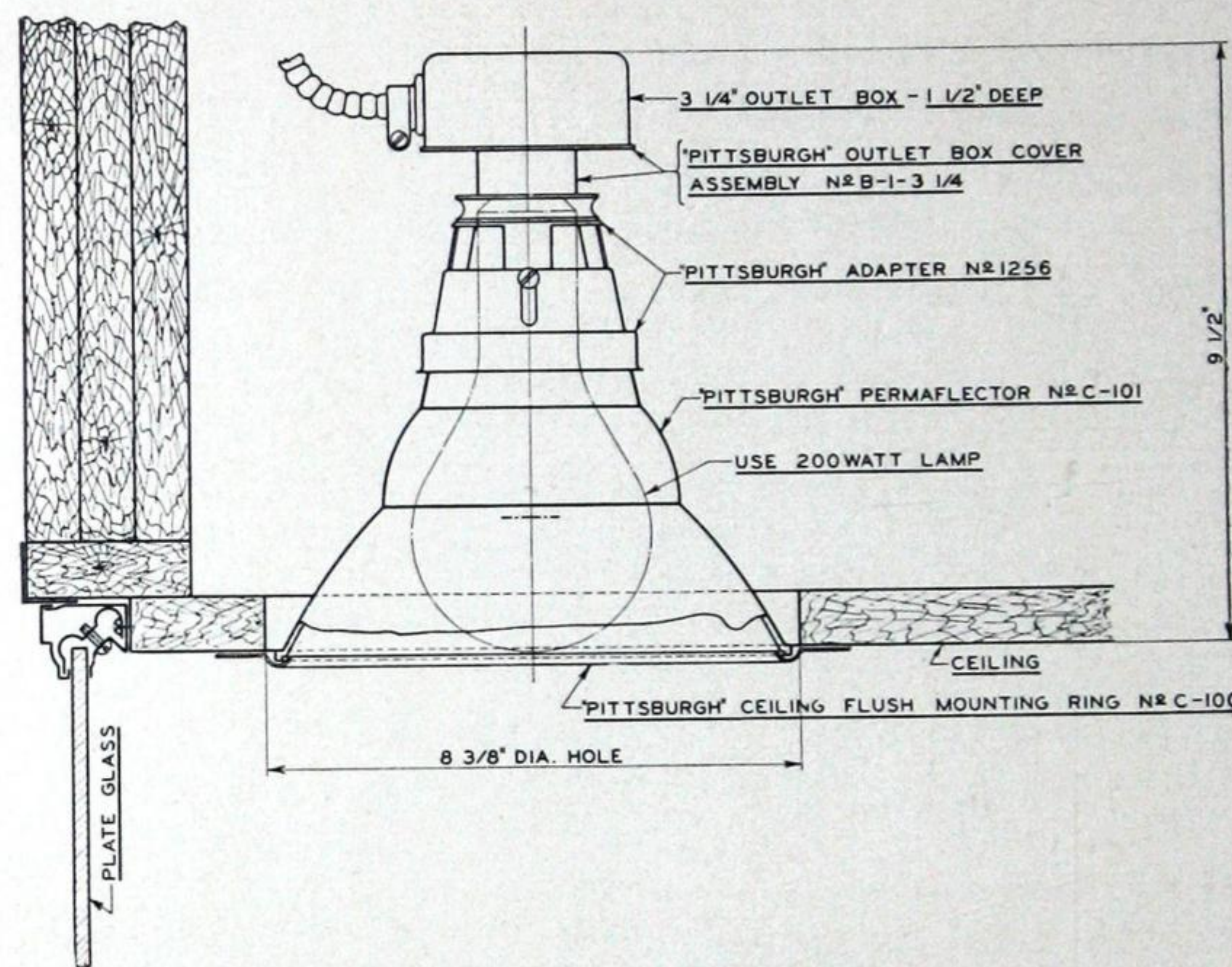
For Louvered Lighting: Use

Concentric Louver—

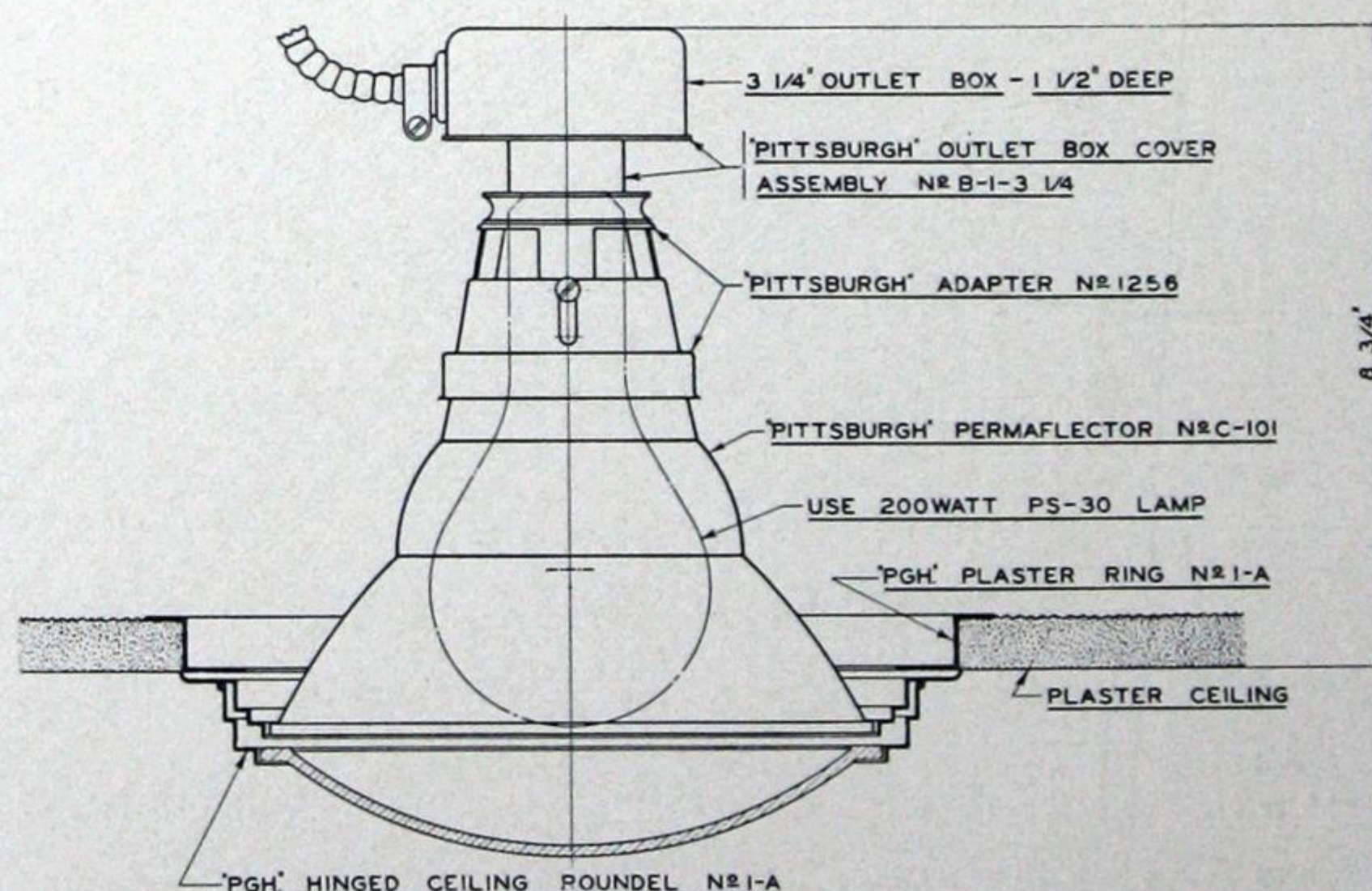
No. EM-55-C for External Mounting.

No. FM-55-C for use with Flush Mounting Ring No. C-100.

Hinged Concentric Louver—No. 1-A.



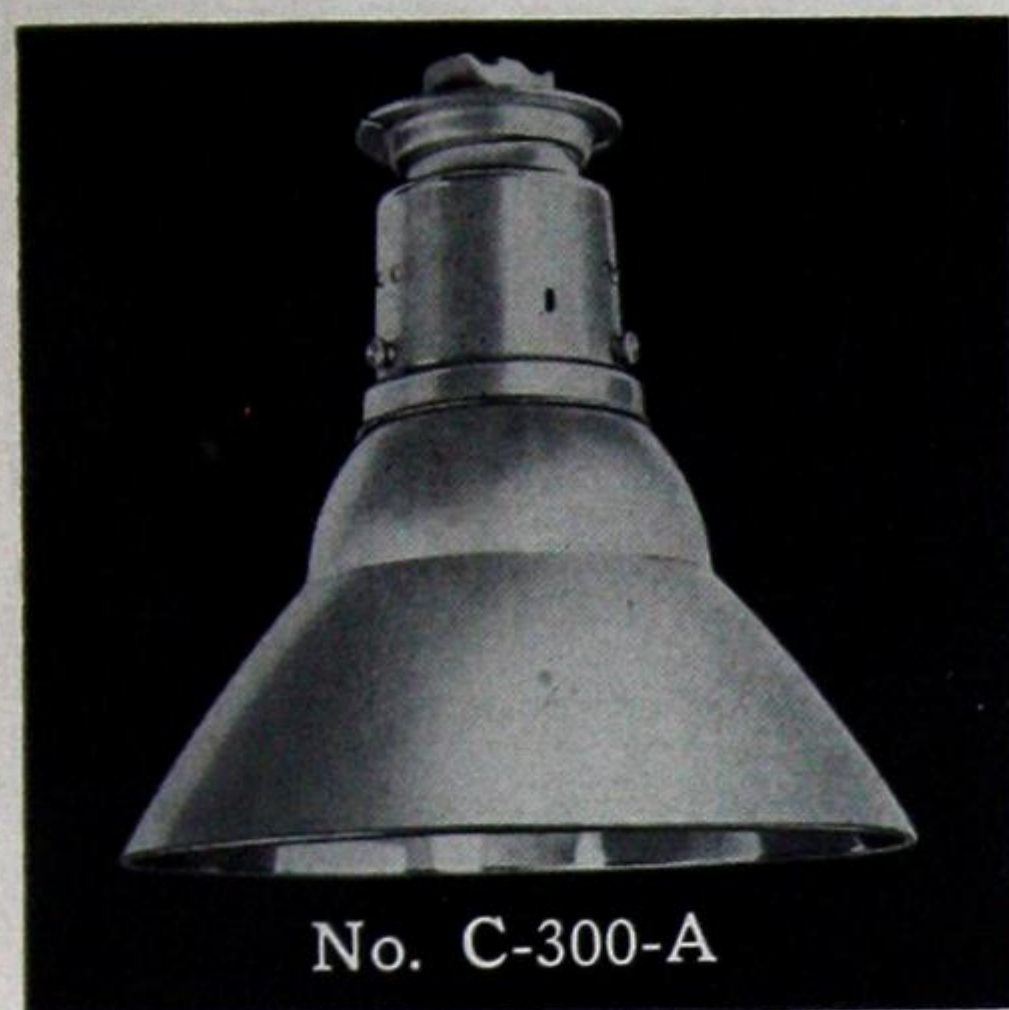
No. C-101-A Flush Mounting Arrangement
Minimum spacing 10 1/2" on centers.



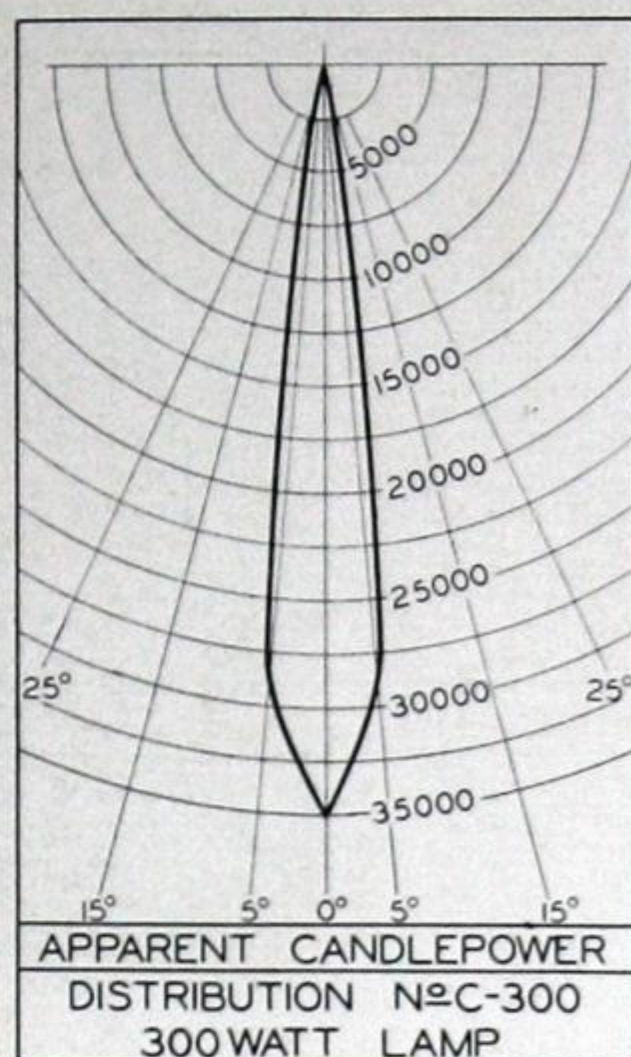
No. C-101-A Recessed in Plaster Ceiling with
Hinged Ceiling Roundel

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflexor No. C-300 Series



No. C-300-A



Standard Quantity—1. **Weight**, Approx. 5½ lbs.

Code: Permaflexor No. C-300-A including Outlet Box Cover Assembly No. B-3 and Holder No. 12-A **SETREHUNA**
Permaflexor No. C-300 (Glass Only)..... **SEETREEHUN**

Application—This is Permaflexor used with Spot WS-300. A good unit for recessing in the ceiling with flush mounting ring and concentric louver or hinged ceiling roundel. Delivers intense illumination over limited area. Excellent for lighting through skylights in art galleries and other public buildings.

Bottom Opening Circular—Diameter, 11½ inches.

Lamp Size—300 watt PS-35.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3 and Holder No. 12-A. Attaches to any standard 4 inch outlet box 1½ inches deep.

May Be Mounted on:

Conduit—No. 6 in which case discard outlet box cover.

For Colored Lighting: Use

Color-Lite—No. 9, No. 10, or No. 10-DB.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 555 with Flush Mounting Ring No. C-300.

No. 2-A with Hinged Ceiling Roundel No. 2-A or Hinged Concentric Louver No. 2-A.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. C-300.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 2-A.

For Louvered Lighting: Use

Parallel Louver—

No. EME-500 for External Mounting.

No. FME-500 for use with Flush Mounting Ring No. C-300.

Egg Crate Louver—

No. FEC-300 for use with Flush Mounting Ring No. C-300.

Concentric Louver—

No. EME-500-C for External Mounting.

No. FME-500-C for use with Flush Mounting Ring No. C-300.

Hinged Concentric Louver—No. 2-A.

Permaflexor No. C-300-B

Standard Quantity—1. **Weight**, Approx. 5½ lbs.

Code: Permaflexor No. C-300-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. 12-A. **SETREHUNBI**

Lamp Size—300 watt PS-35.

Permaflexor No. C-300-B same as Permaflexor No. C-300-A except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Permaflexor No. C-300-3A

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 5½ lbs.

Code: Permaflexor No. C-300-3A including Outlet Box Cover Assembly No. B-33 and Holder No. 12-A..... **SETREUNTRA**

Lamp Size—

150-200-350 watt PS-35 Three-Light.

Permaflexor No. C-300-3A same as Permaflexor No. C-300-A except equipped with Outlet Box Cover Assembly No. B-33.

Permaflexor No. C-300-3B

For Use With Three-Light Lamp

Standard Quantity—1.

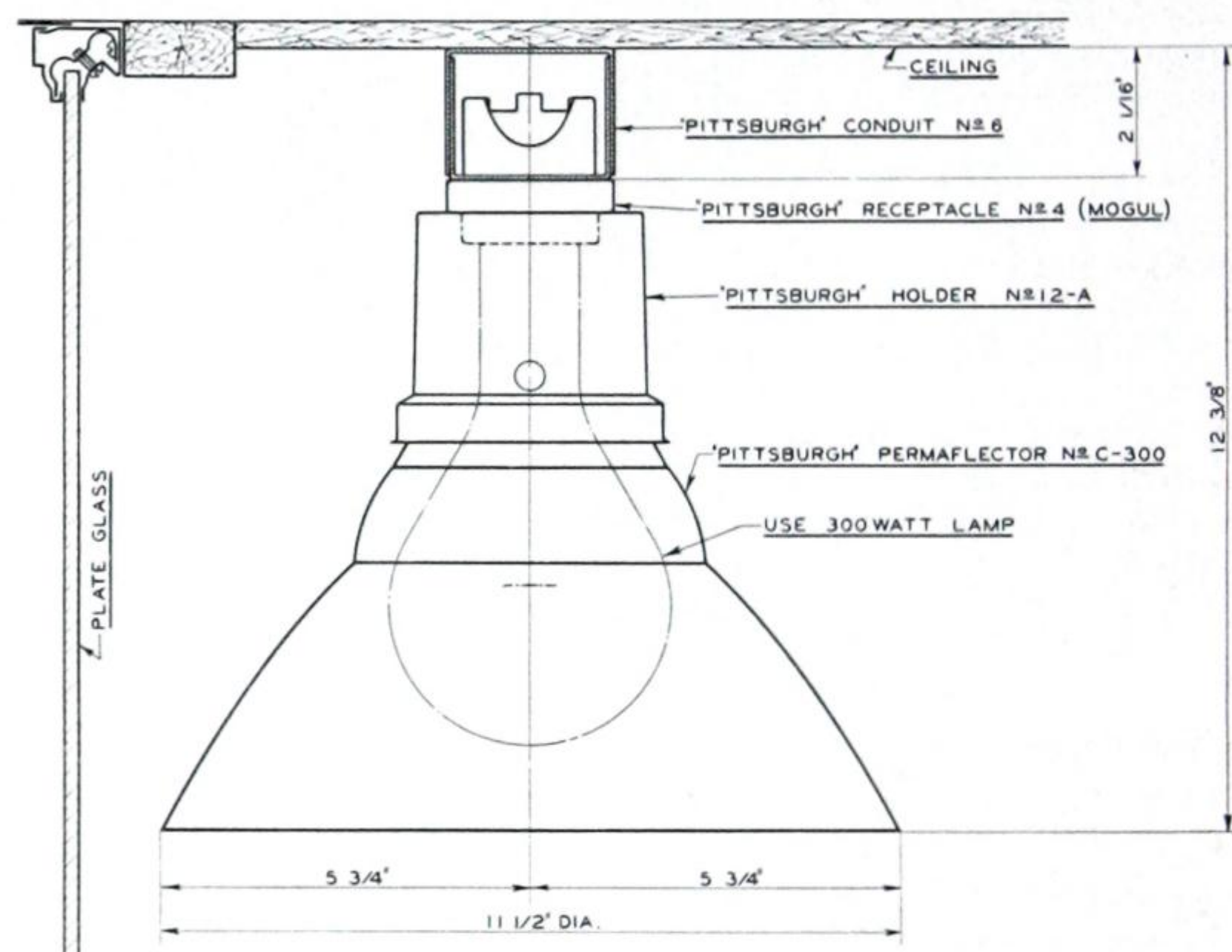
Weight, Approx. 5½ lbs.

Code: Permaflexor No. C-300-3B including Box No. KO-11, Three-Light Mogul Socket No. 5 and Holder No. 12-A..... **SETRENTREB**

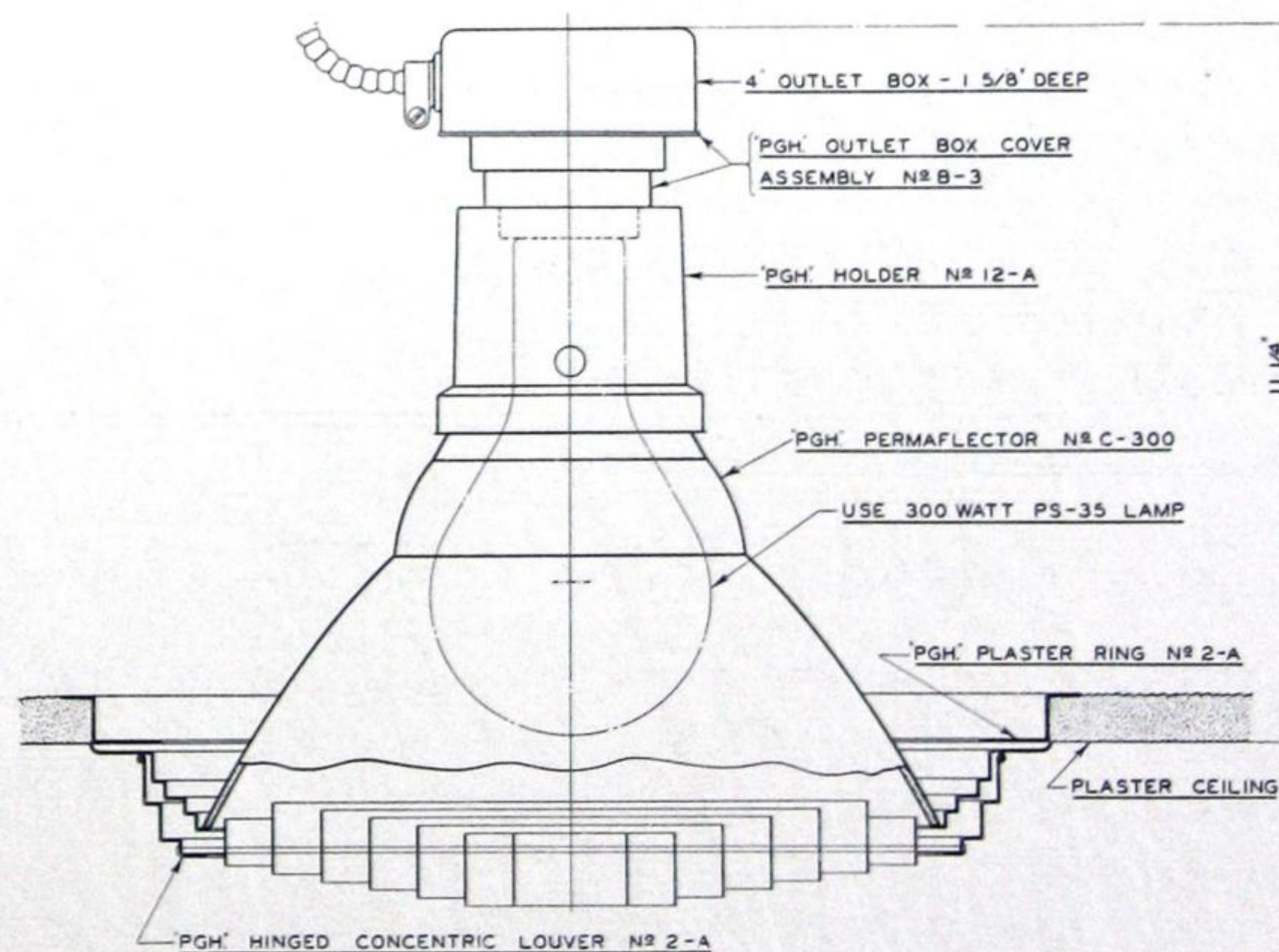
Lamp Size—

150-200-350 watt PS-35, Three-Light.

Permaflexor No. C-300-3B same as Permaflexor No. C-300-3A except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

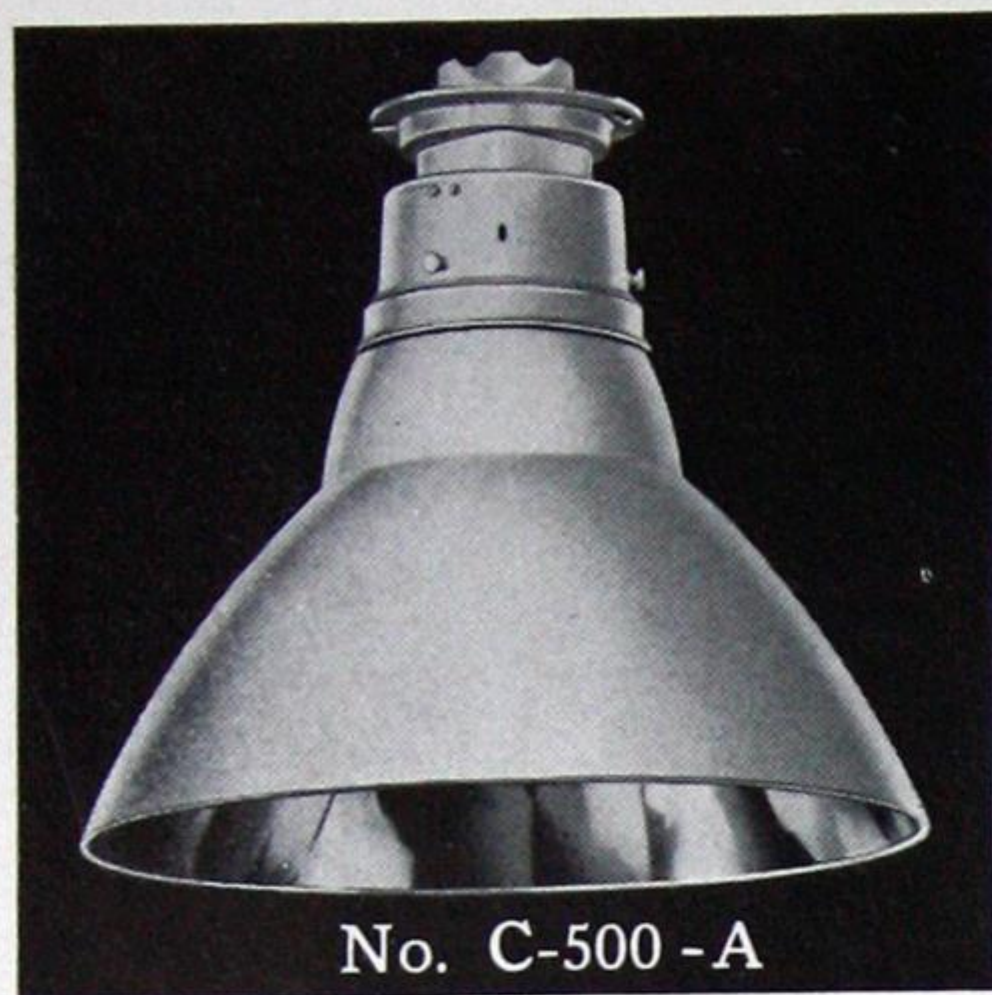


No. C-300 General Arrangement.

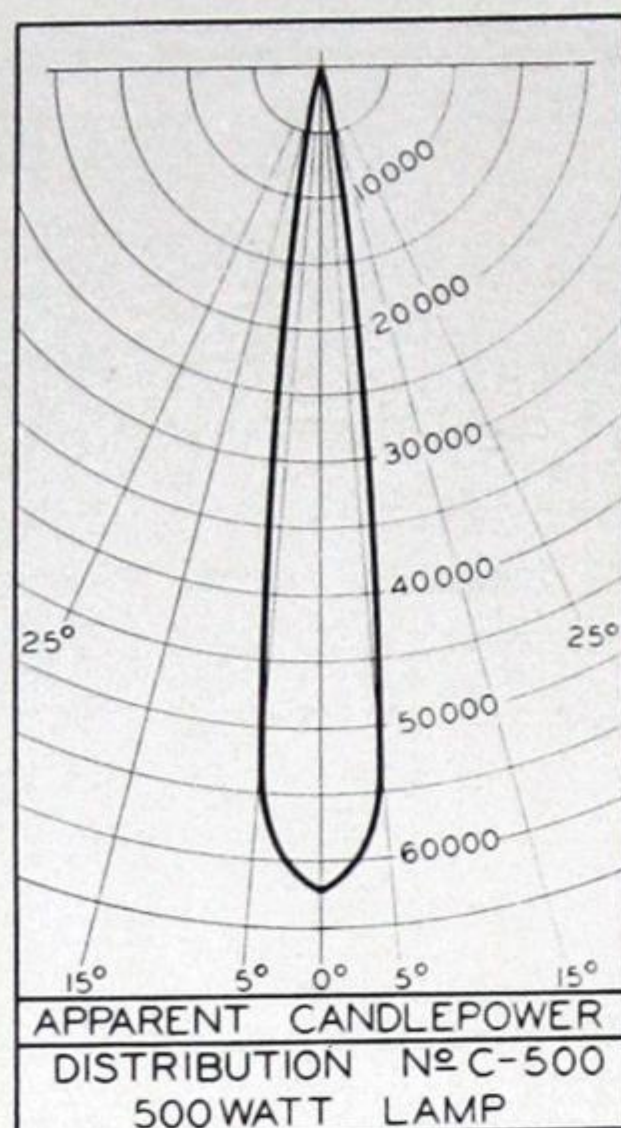


No. C-300-A, Recessed in Ceiling with Hinged Concentric Louver.

Permaflector No. C-500 Series



No. C-500 -A



Standard Quantity—1.

Weight, Approx. 8 lbs.

Code: Permaflector No. C-500-A including Outlet Box Cover Assembly No. B-3 and Holder No. M-3.....**SEEFIVA**
Permaflector No. C-500 (Glass Only).....**WINSPIGLA**

Application—This is Permaflector used with Spot WS-500. Delivers intense illumination over limited area. Excellent for lighting through skylights in art galleries and other public buildings.

Bottom Opening Circular—Diameter, 13½ inches.

Lamp Size—500 watt PS-40.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3 and Holder No. M-3. Attaches to any standard 4 inch outlet box 1½ inches deep.

May Be Mounted on:

Conduit—No. 6 in which case discard outlet box cover.

For Colored Lighting: Use

Color-Lite—No. 7 or No. 8.

For Louvered Lighting: Use

Parallel Louver—

No. EM-555 for External Mounting.

Concentric Louver—

No. EM-555-C for External Mounting.

Permaflector No. C-500-B

Standard Quantity—1.

Weight, Approx. 8 lbs.

Code: Permaflector No. C-500-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. M-3.....**SEEFIBEE**

Lamp Size—500 watt PS-40. 300 watt PS-35.

Permaflector No. C-500-B same as Permaflector No. C-500-A except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Permaflector No. C-500-3A

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 8 lbs.

Code: Permaflector No. C-500-3A including Outlet Box Cover Assembly No. B-33 and Holder No. M-3.....**SEEFITREA**

Lamp Size—

200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

Permaflector No. C-500-3A same as Permaflector No. C-500-A except equipped with Outlet Box Cover Assembly No. B-33.

Permaflector No. C-500-3B

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 8 lbs.

Code: Permaflector No. C-500-3B including Box No. KO-11, Three-Light Mogul Socket No. 5 and Holder No. M-3.....**SEEFITREB**

Lamp Size—

200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

Permaflector No. C-500-3B same as Permaflector No. C-500-3A except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Permaflector No. C-1000-S



No. C-1000-S

Standard Quantity—1.

Weight, Approx. 28 lbs.

Code: Permaflector No. C-1000-S.....**SETHOSANES**
Glass Only (Permaflector No. F-1001).....**REFSETHONE**
Cover Glass Only (15¾" Dia. H. R. Stippled).....**RONTREGLA**

Description—A new metal enclosed super high bay industrial lighting unit. Consists of Permaflector No. F-1001 in metal housing spun from heavy gauge aluminum. Equipped with hinged door containing 15¾ inch inside stippled heat resisting glass roundel, making it dust tight. Attaches to any standard ½ inch conduit hanger.

Application—For high industrial interiors, gymnasiums, auditoriums, boxing arenas, stock show pavilions, field houses, etc. Has 40-degree beam. At 25-foot mounting height, covers an area on the floor of 18.2 foot diameter; at 30-foot mounting, covers 22-foot diameter; at 35-foot mounting, covers 25.7-foot diameter; at 40-foot mounting, covers 29-foot diameter; at 45-foot mounting, covers 32.75-foot diameter; at 50-foot mounting covers 36.5-foot diameter; at 60-foot mounting, covers 43.7-foot diameter; at 80-foot mounting, covers 58.25-foot diameter; at 100-foot mounting, covers 72.8-foot diameter.

Beam lumens approximately 7500. Total output lumens approximately 16,000 in overall angle of 100 degrees.

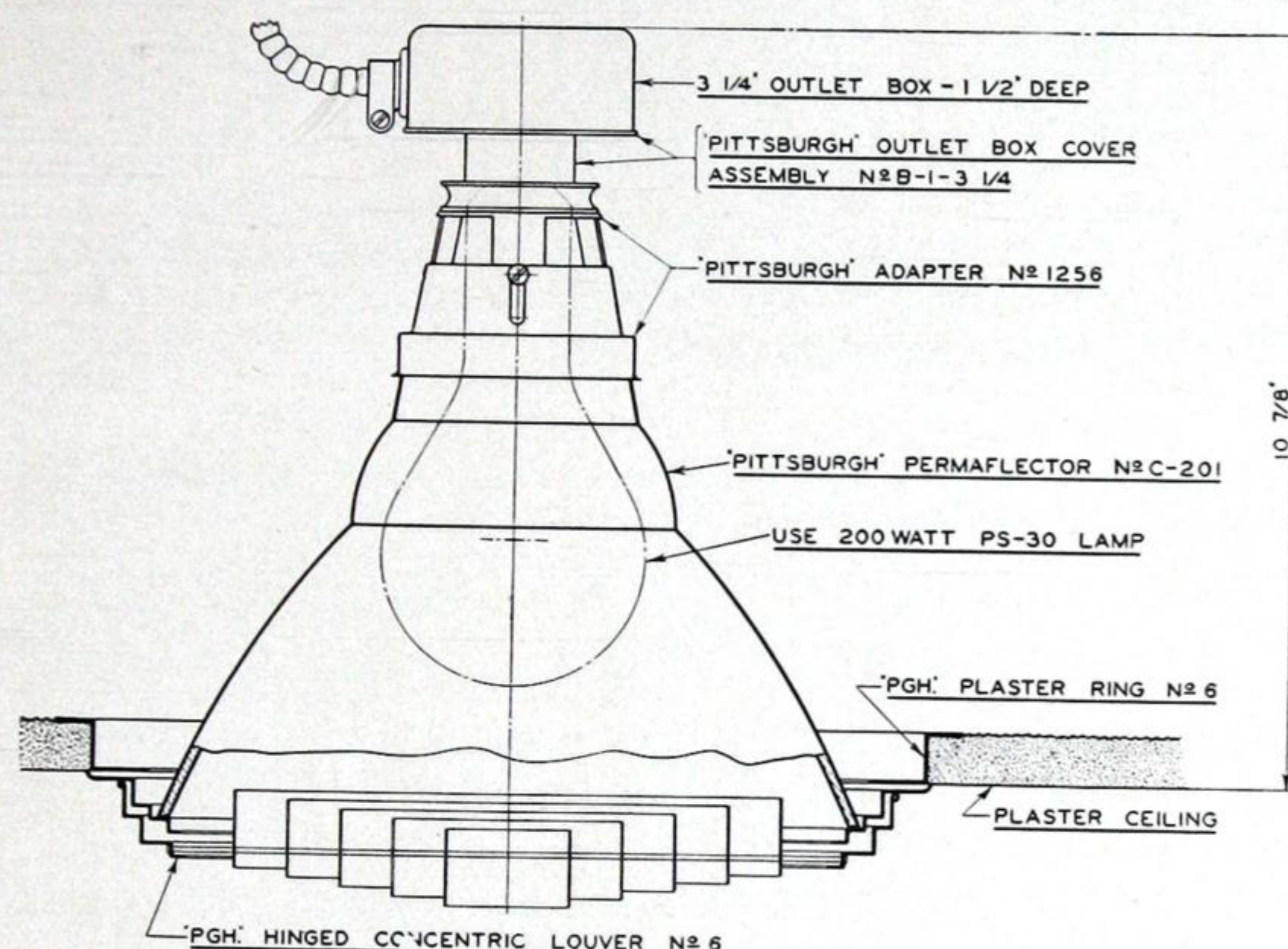
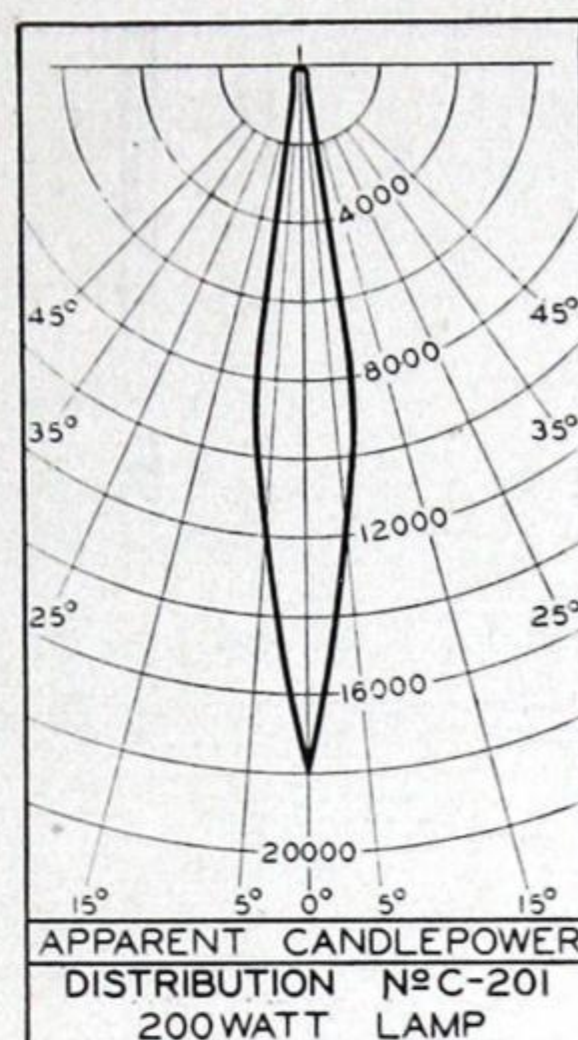
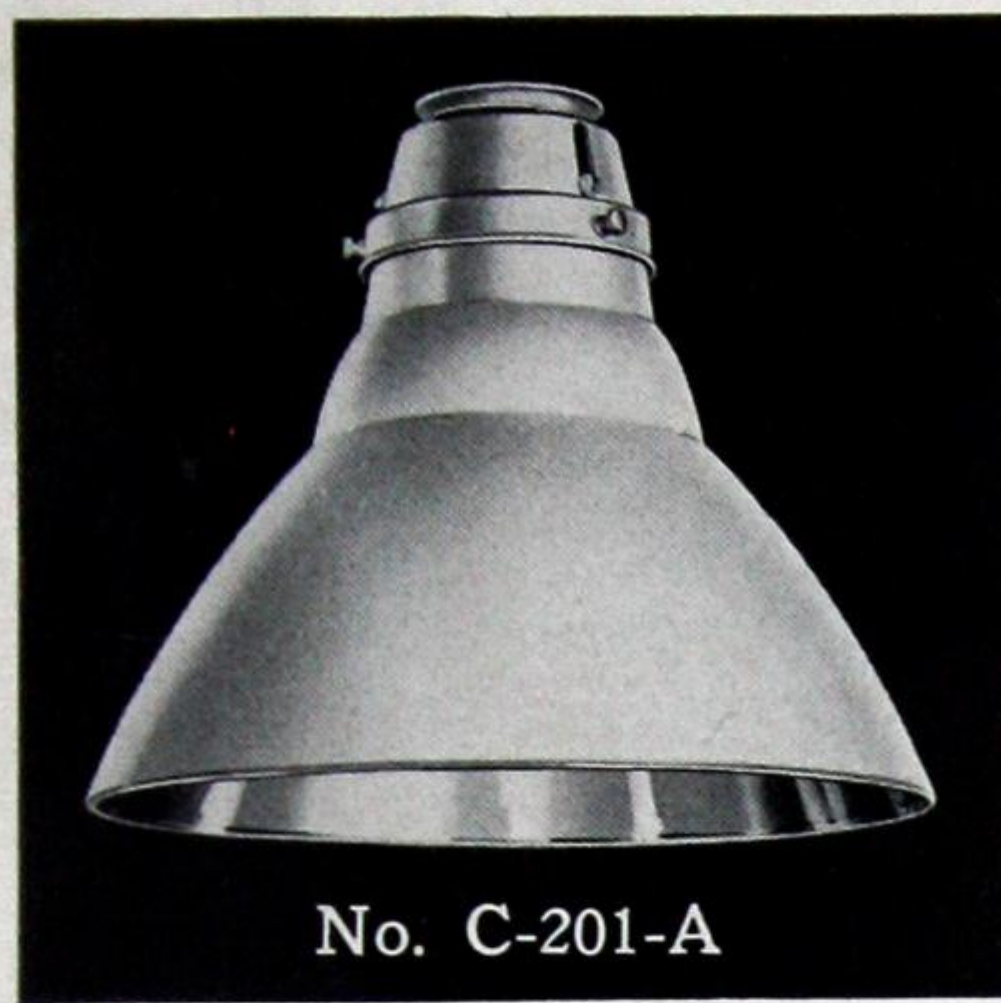
Dimensions—Diameter, 17 inches; Height, overall, 21 inches.

Lamp—1000-750 watt PS-52.



Permaflectors No. C-1000-S installed in the plant of General Steel Castings Corporation, Eddystone, Pa.

Permaflexor C-201-A & C-201-R



No. C-201-A Recessed in ceiling, with Hinged Concentric Louver.

Standard Quantity—9.

Weight, Approx. 22 lbs.

Code: Permaflexor No. C-201-A including Adapter No. 1256 **SETUWONAYE**

Permaflexor No. C-201-R including Adapter No. 1256-R **SETUONER**

Application—This is Permaflexor used with Spot WS-200. Excellent for recessing in ceiling with flush mounting ring and concentric louver in show window or store interior over displays requiring strong illumination. Very good for cove lighting where a narrow beam for long throw is required. Widely used for lighting through skylights in art galleries and other public buildings.

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 10 inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.
200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket, use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3/4 or B-1-4, use Adapter No. 1256 attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3/4 or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2, or No. 2-DB, for external mounting.
No. 21 or No. 21-DB for use with Flush Ring C-201.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 54 with Flush Mounting Ring No. C-201.

No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. C-201.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.

No. FM-54 for use with Flush Mounting Ring No. C-201.

Egg Crate Louver—

No. FEC-200 for use with Flush Mounting Ring No. C-201.

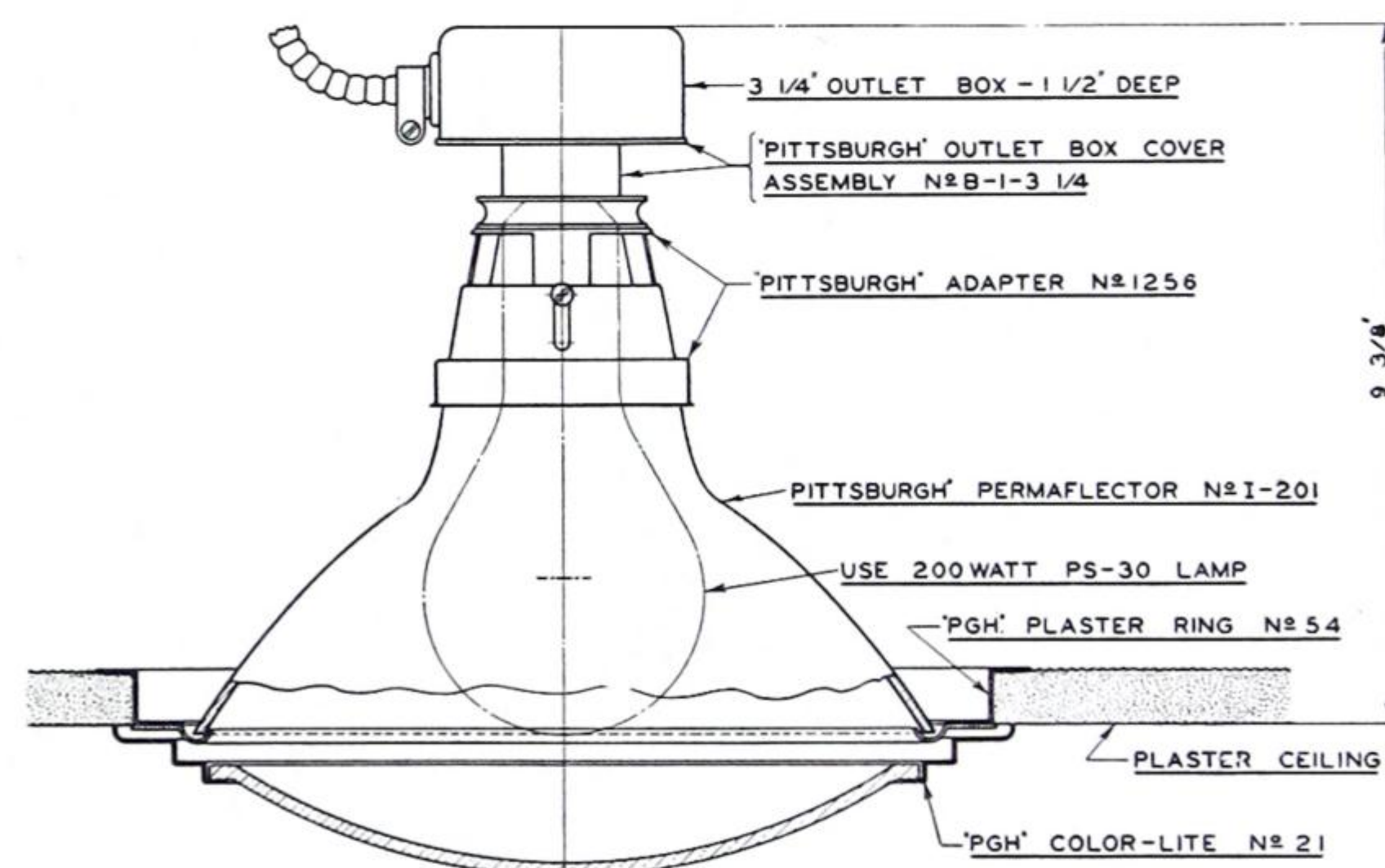
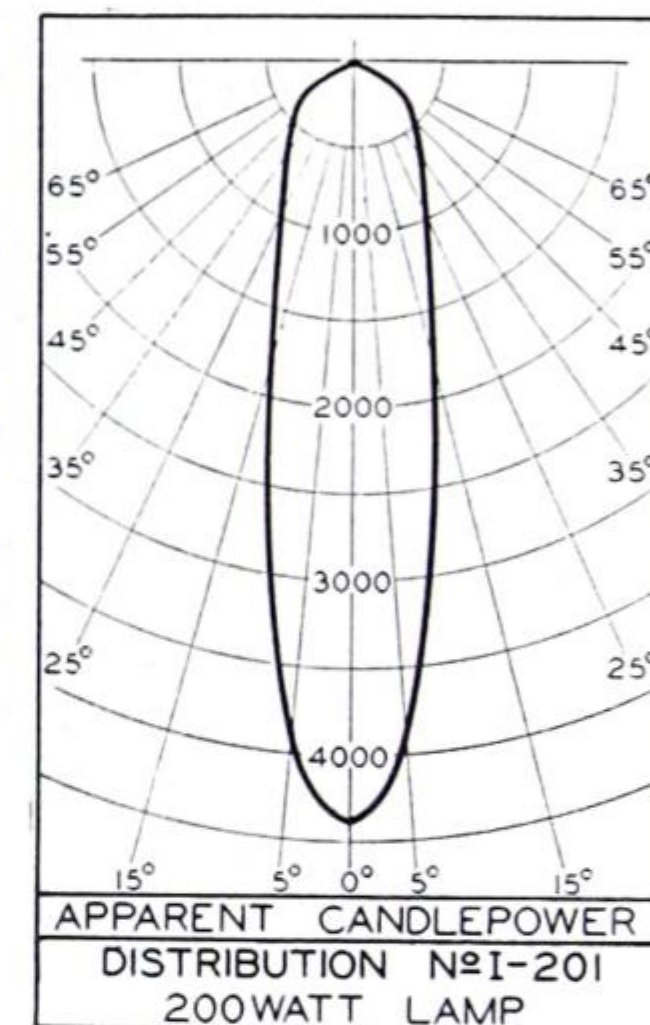
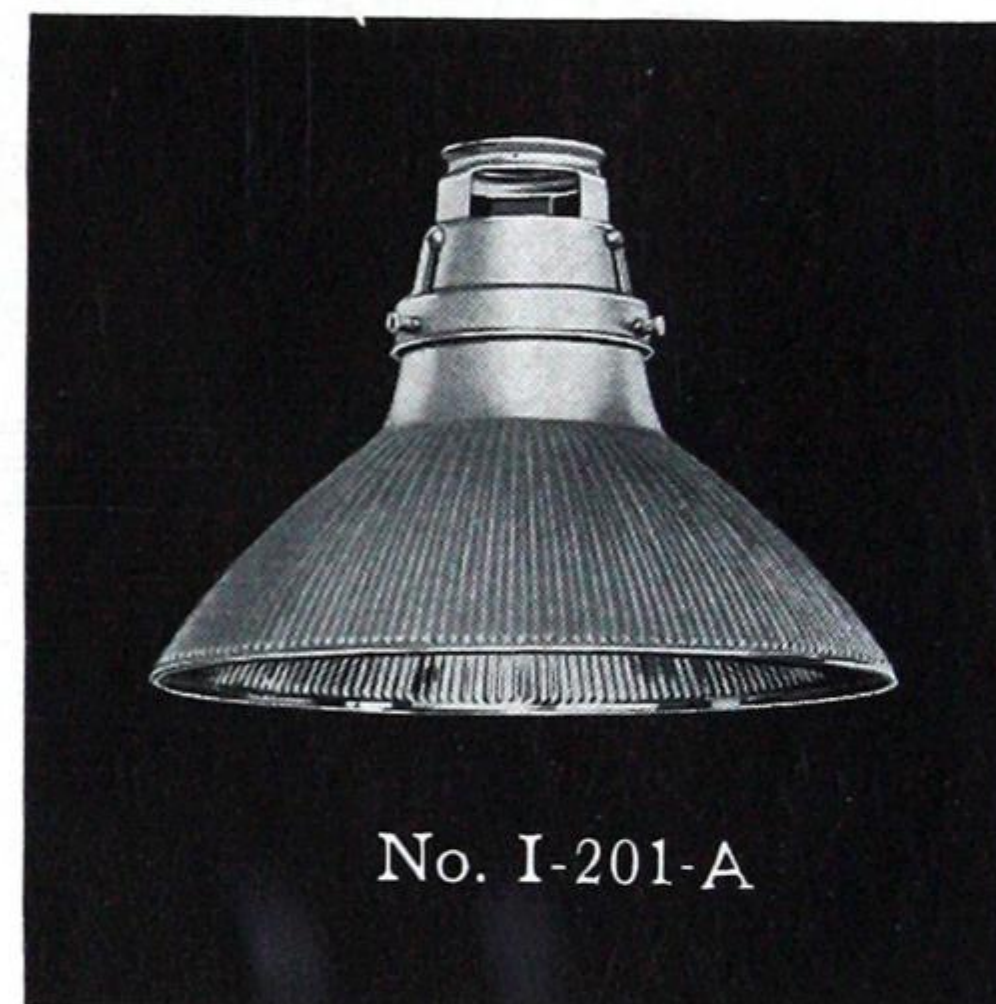
Concentric Louver—

No. EM-54-C for External Mounting.

No. FM-54-C for use with Flush Mounting Ring No. C-201.

Hinged Concentric Louver—No. 6.

Permaflexor I-201-A & I-201-R



No. I-201-A Flush Mounting Arrangement. With Plaster Ring and Color-Lite No. 21.

Standard Quantity—10.

Weight, Approx. 21 lbs.

Code: Permaflexor No. I-201-A including Adapter No. 1256. **ITUHUNWON**

Permaflexor No. I-201-R including Adapter No. 1256-R **ITUHUNONER**

Application—This is Permaflexor used with Flood WF-200. Excellent for recessing in ceiling, equipped with flush mounting ring and concentric louver or hinged ceiling roundel. Provides high intensity of illumination over restricted area.

(Continued)

Spacing Recommended—12 inches on centers.

Bottom Opening Circular—Diameter, 9 $\frac{7}{8}$ inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.
200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2 $\frac{1}{4}$ " Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket, use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3 $\frac{1}{4}$ or B-1-4, use Adapter No. 1256 attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3 $\frac{1}{4}$ or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2, or No. 2-DB, for external mounting. No. 21 or No. 21-DB for use with Flush Ring C-201.

When Recessed in Plaster Ceiling: Use Plaster Ring—

No. 54 with Flush Mounting Ring No. I-201.
No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. I-201.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use Parallel Louvers—

No. EM-54 for External Mounting.
No. FM-54 for use with Flush Mounting Ring No. I-201.

Egg Crate Louver—

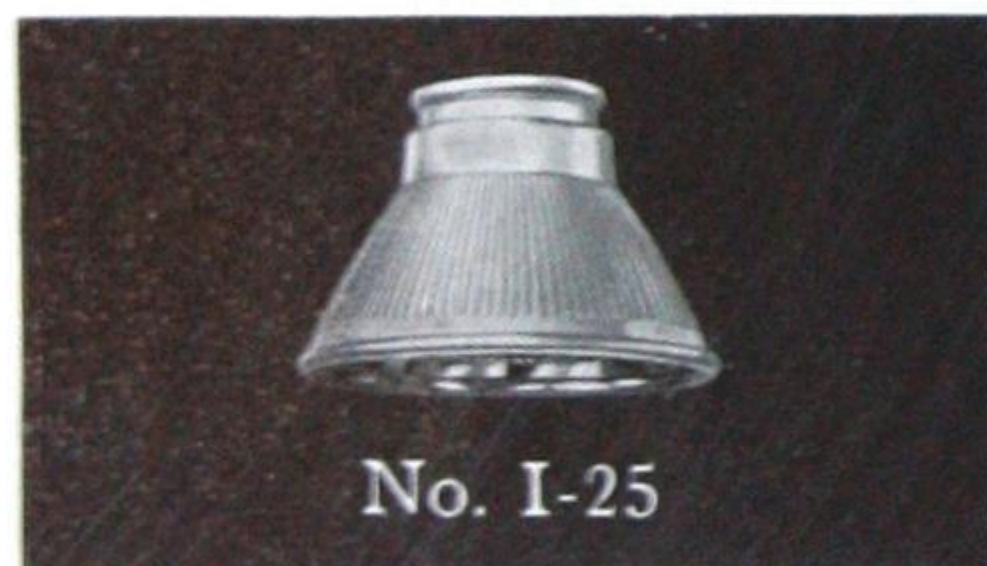
No. FEC-200 for use with Flush Mounting Ring No. I-201.

Concentric Louver—

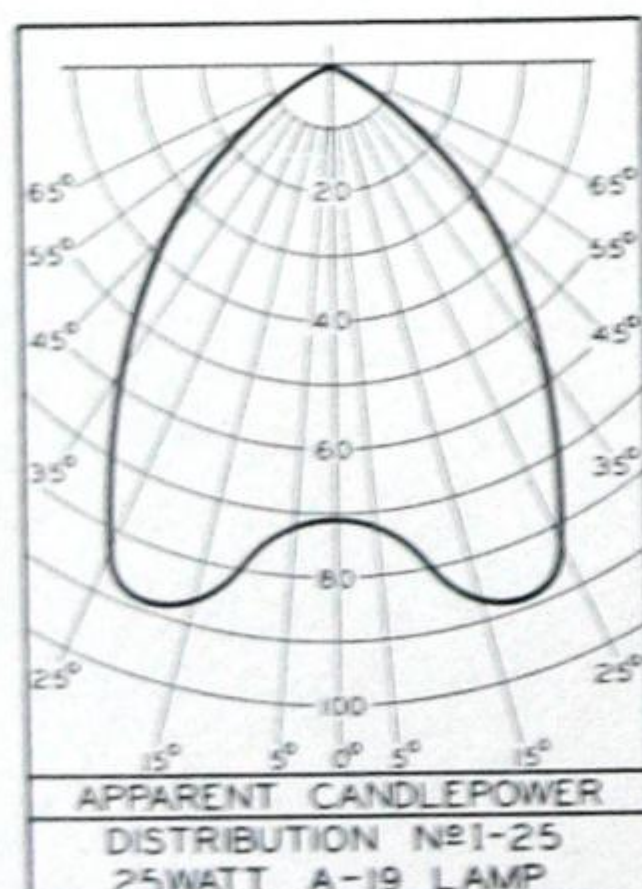
No. EM-54-C for External Mounting.
No. FM-54-C for use with Flush Mounting Ring No. I-201.

Hinged Concentric Louver—No. 6.

Permaflexor No. I-25



No. I-25



Standard Quantity—20.

Weight, Approx. 10 $\frac{1}{2}$ lbs.

Code: Permaflexor No. I-25, EYETUFI

Application—A good indirect cove lighting reflector. May be recessed in ceiling.

Dimensions—Opening 4 $\frac{1}{2}$ inches diameter; Height, 3 inches.

Lamp Size—25 watt A-19. 40 watt A-19.

Holder—with brass shell socket, use 2 $\frac{1}{4}$ " Form 'OB' holder for 25 watt A-19 lamp; with grooved porcelain socket, use 2 $\frac{1}{4}$ " Form 'OP' holder for 25 watt A-19 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3 $\frac{1}{4}$ or B-1-4, use 2 $\frac{1}{4}$ " Form 'S' holder for 25 watt A-19 lamp; 2 $\frac{1}{4}$ " Form 'SL' holder for 40 watt A-19 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3 $\frac{1}{4}$ or B-1-4 with 2 $\frac{1}{4}$ " Form 'S' or 'SL' holders.

May Be Mounted on:

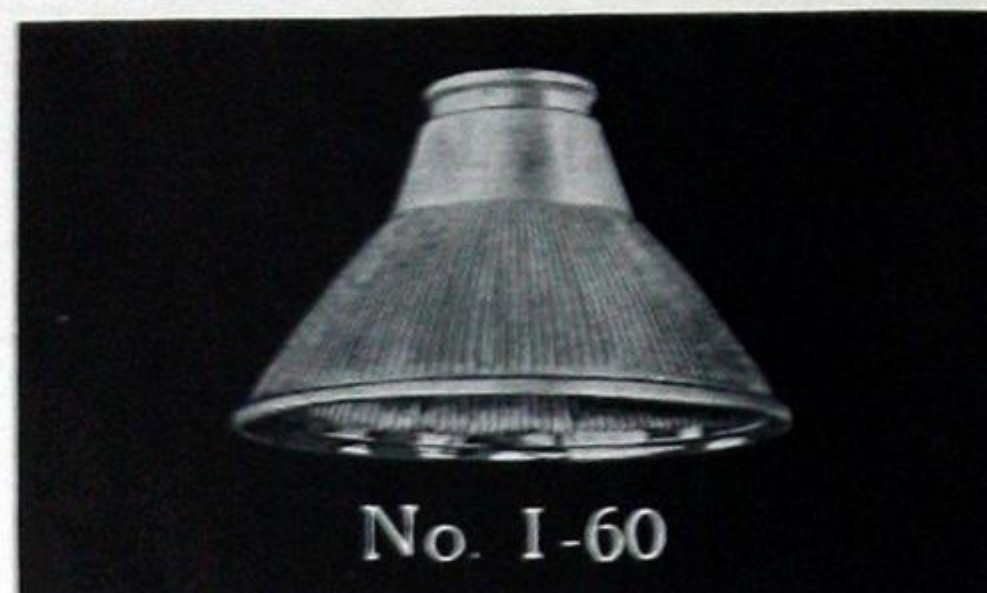
Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2 $\frac{1}{4}$ " Form 'S' or 'SL' holders. No. 12 or No. 62 with 2 $\frac{1}{4}$ " Form 'OP' holder.

For Colored Lighting: Use Color-Lite—No. 12-A or No. 12-ADB.

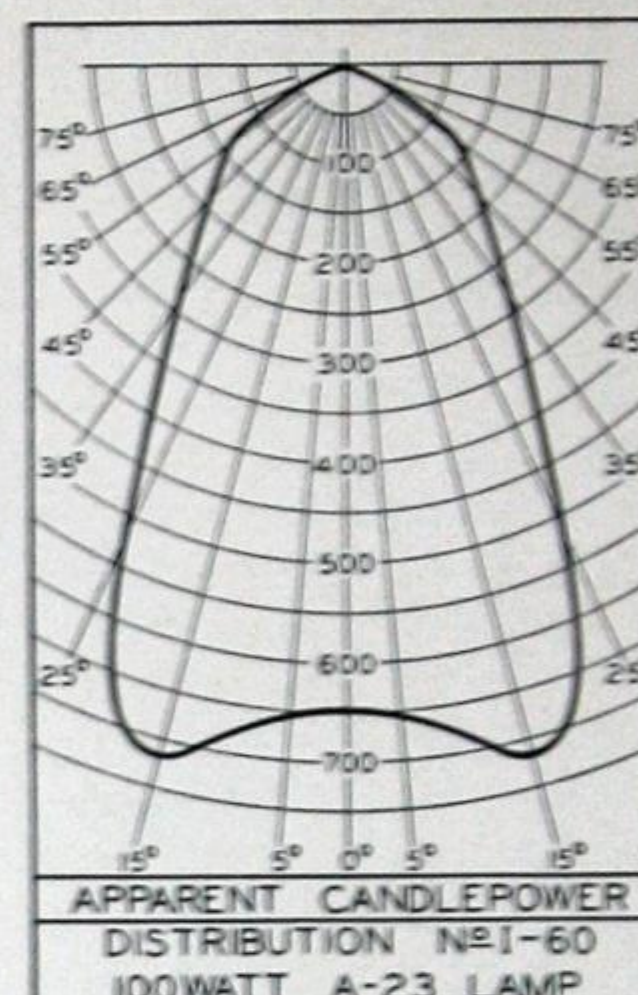
When Installed Flush in Ceiling: Use
Flush Mounting Ring—No. I-25.

When Recessed in Ceiling and Concealed: Use
Hinged Ceiling Roundel—No. 5.

Permaflexor No. I-60



No. I-60



Standard Quantity—10.

Weight, Approx. 9 $\frac{1}{2}$ lbs.

Code: Permaflexor No. I-60, EYESIX

Application—A good indirect cove lighting reflector. Also may be recessed in ceiling. It is supplied with WF-100 Interior Flood and Flood-light FLC-100-A.

Dimensions—Opening, 6 $\frac{3}{4}$ inches diameter; Height, 4 $\frac{1}{8}$ inches.

Lamp Size—60 watt A-21. 75 watt A-21. 100 watt A-23.

Holder—with brass shell socket, use 2 $\frac{1}{4}$ " Form 'OB' holder for 60 watt A-21 lamp; 2 $\frac{1}{4}$ " Form 'HB' holder for 100 watt A-23 lamp; with grooved porcelain socket, use 2 $\frac{1}{4}$ " Form 'OP' holder for 60 watt A-21 lamp; 2 $\frac{1}{4}$ " Form 'HP' holder for 100 watt A-23 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3 $\frac{1}{4}$ or B-1-4, use 2 $\frac{1}{4}$ " Form 'S' holder for 60 watt A-21 lamp; 2 $\frac{1}{4}$ " Form 'SL' holder for 75 watt A-21 lamp; 2 $\frac{1}{4}$ " Form 'L' holder for 100 watt A-23 lamp, attached directly to socket.

May Be Installed with Outlet Box Cover Assembly—No. B-1-3 $\frac{1}{4}$ or B-1-4 with 2 $\frac{1}{4}$ " Form 'S', 'SL', or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2 $\frac{1}{4}$ " Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2 $\frac{1}{4}$ " Form 'OP' or 'HP' holders.

For Colored Lighting: Use Color-Lite—No. 4-A or No. 4-ADB.

When Recessed in Plaster Ceiling: Use
Plaster Ring—

No. 77 with Flush Mounting Ring No. 73.
No. 4 with Hinged Ceiling Roundel No. 4 or Hinged Concentric Louver No. 4.

When Installed Flush in Ceiling (Not Plastered): Use
Flush Mounting Ring—No. 73.

When Recessed in Ceiling and Concealed: Use
Hinged Ceiling Roundel—No. 4.

For Louvered Lighting: Use Parallel Louver—

No. EM-77 for External Mounting.
No. FM-77 for use with Flush Mounting Ring No. 73.

Concentric Louver—

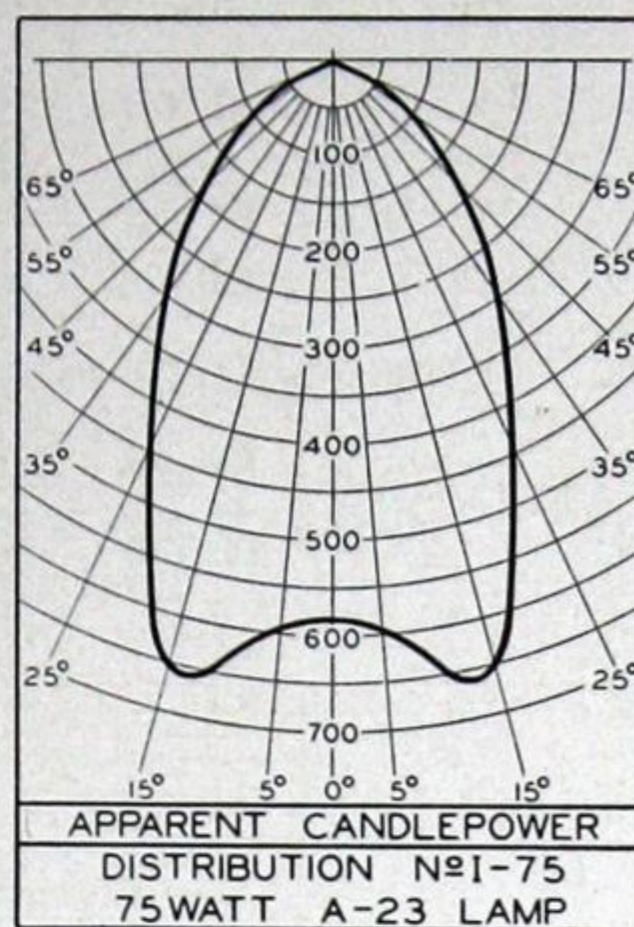
No. EM-77-C for External Mounting.
No. FM-77-C for use with Flush Mounting Ring No. 73.

Hinged Concentric Louver—No. 4.

Permaflexor No. I-75



No. I-75



Standard Quantity—10.

Weight, Approx. 14½ lbs.

Code: Permaflexor No. I-75, ISEVEFI

Application—Used primarily for direct lighting, exposed or recessed in ceiling.

Dimensions—Opening, 8¾ inches diameter; Height, 4¾ inches.

Lamp Size—60 watt A-21. 75 watt A-21. 100 watt A-23.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 60 watt A-21 lamp; 2¼" Form 'HB' holder for 100 watt A-23 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 60 watt A-21 lamp; 2¼" Form 'HP' holder for 100 watt A-23 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use, 2¼" Form 'S' holder for 60 watt A-21 lamp; 2¼" Form 'SL' holder for 75 watt A-21 lamp; 2¼" Form 'L' holder for 100 watt A-23 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S', 'SL', or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

For Colored Lighting: Use **Color-Lite**—No. 5, No. 6 or No. 6-DB.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 55-A with Flush Mounting Ring No. 55.
No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 55.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 1-A.

For Louvered Lighting: Use

Parallel Louver—

No. EM-55 for External Mounting.
No. FM-55 for use with Flush Mounting Ring No. 55.

Egg Crate Louver:

No. FEC-100 for use with Flush Mounting Ring No. 55.

Concentric Louver—

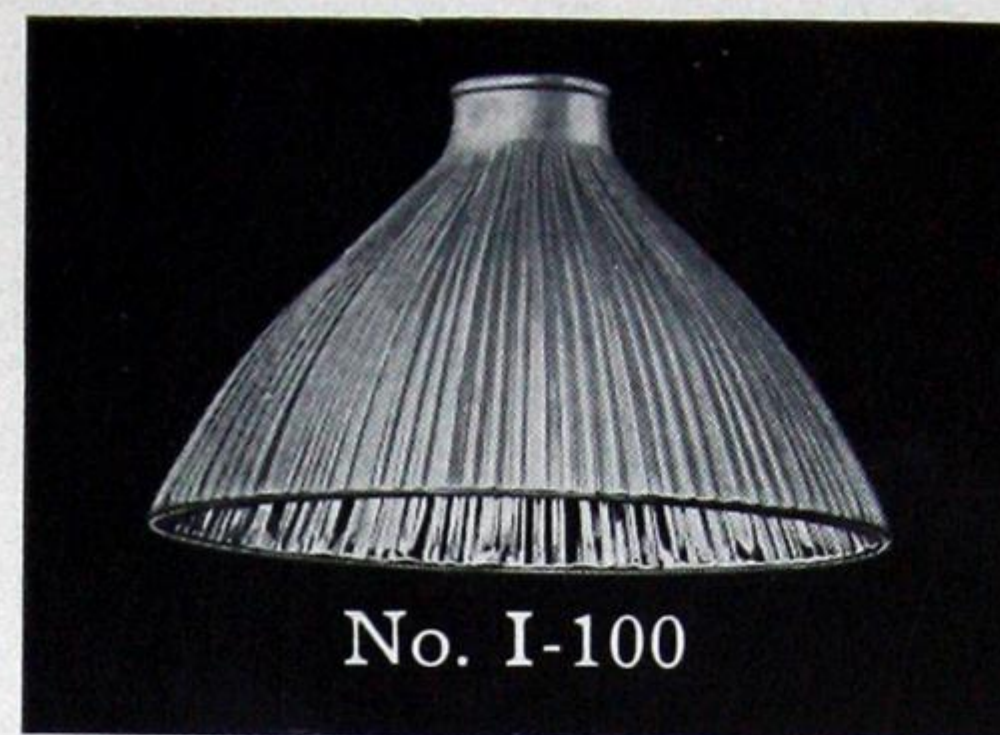
No. EM-55-C for External Mounting.
No. FM-55-C for use with Flush Mounting Ring No. 55.

Hinged Concentric Louver—No. 1-A.

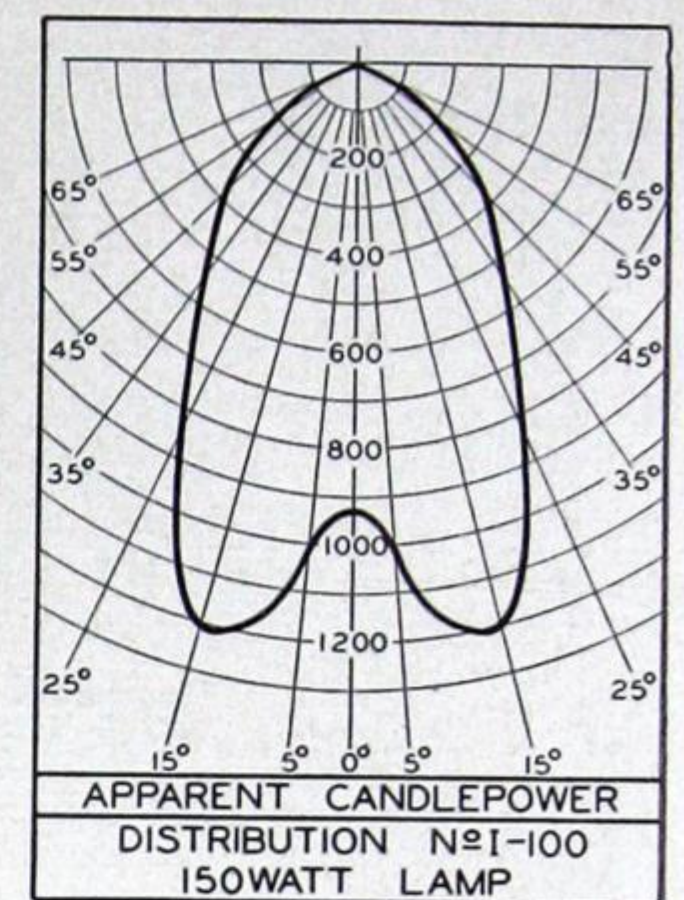
Industrial High Bay Lighting

For illumination of high industrial interiors, 30 to 100 feet mounting height, only a specular reflector is capable of giving the concentrated distribution required. Diffuse reflectors are incapable thereof. For a suspension of 50 feet, or less, the concentrating distribution of the Permaflexor I-105 or I-1001 series are recommended. For higher suspensions the super-concentrating C-1000-S will serve best.

Permaflexor No. I-100



No. I-100



Standard Quantity—10.

Weight, Approx. 19 lbs.

Code: Permaflexor No. I-100.....IHUNDER

Application—Used chiefly for direct lighting, exposed or recessed in ceiling.

Dimensions—Opening, 9¾ inches diameter; Height, 5¾ inches.

Lamp Size—100 watt A-23, 150 watt A-25.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 100 watt A-23 lamp; 2¼" Form 'HB' holder for 150 watt A-25 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 100 watt A-23 lamp; 2¼" Form 'HP' holder for 150 watt A-25 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use 2¼" Form 'S' holder for 100 watt A-23 lamp; 2¼" Form 'L' holder for 150 watt A-25 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S' or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S' or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2, or No. 2-DB.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. C-201 with Flush Mounting Ring No. I-201.
No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. I-201.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.
No. FM-54 for use with Flush Mounting Ring No. I-201.

Egg Crate Louver—

No. FEC-200 for use with Flush Mounting Ring No. I-201.

Concentric Louver—

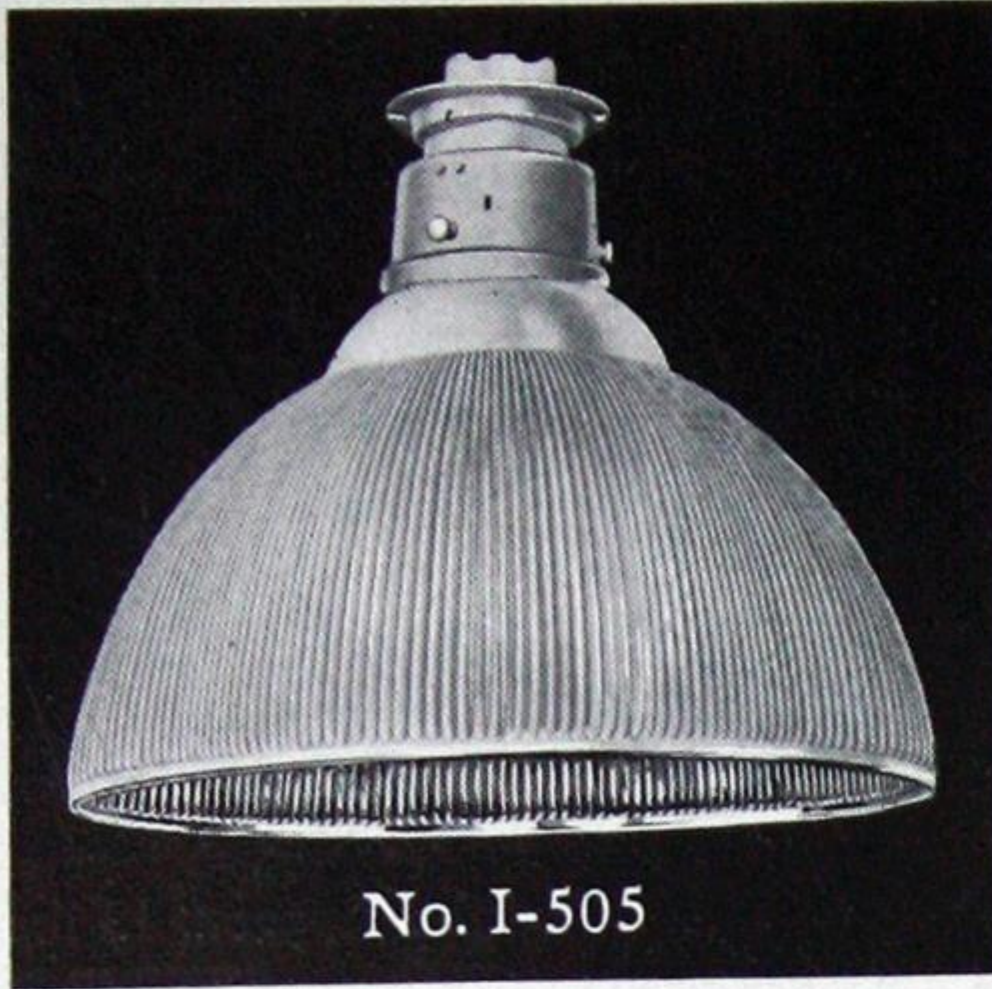
No. EM-54-C for External Mounting.
No. FM-54-C for use with Flush Mounting Ring No. I-201.

Hinged Concentric Louver—No. 6.

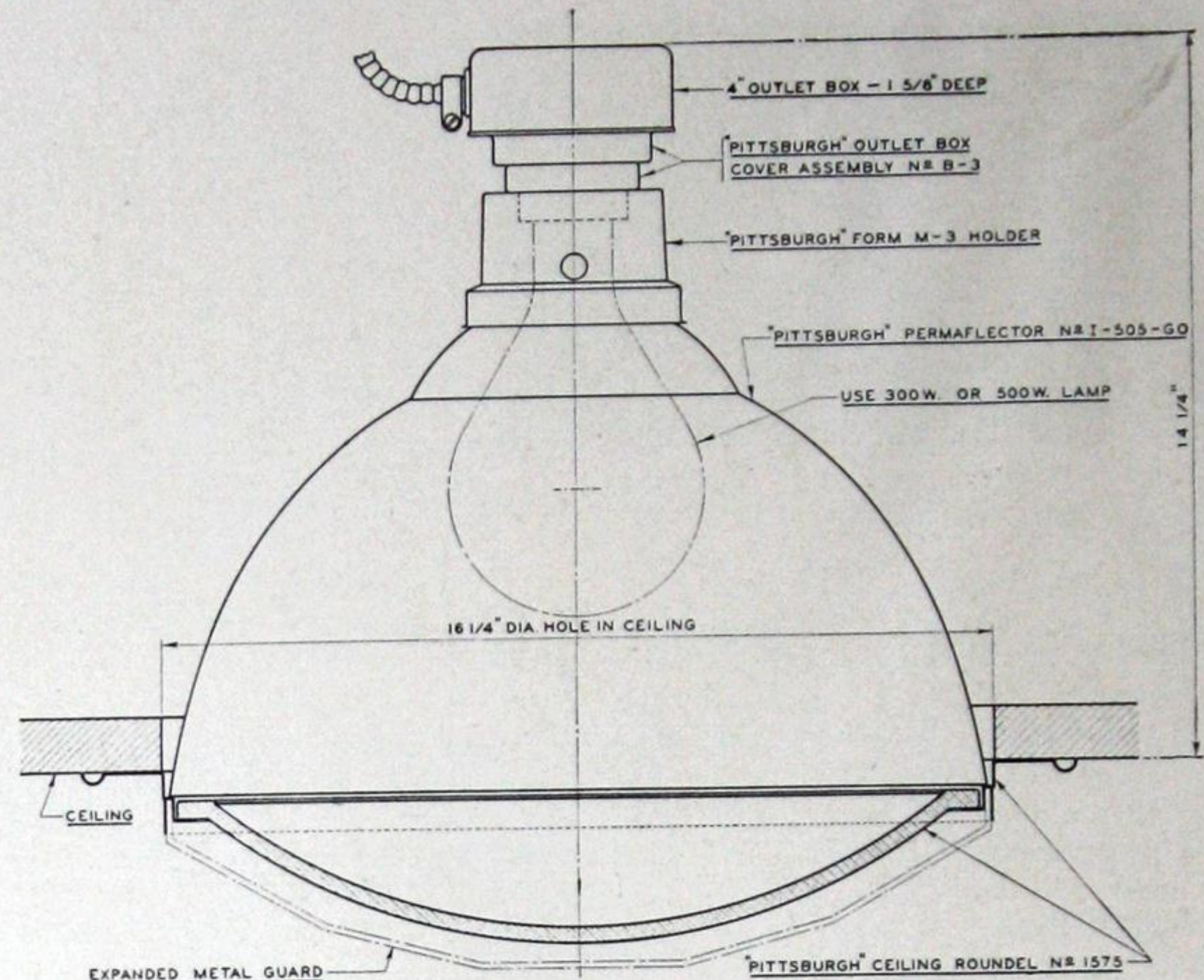
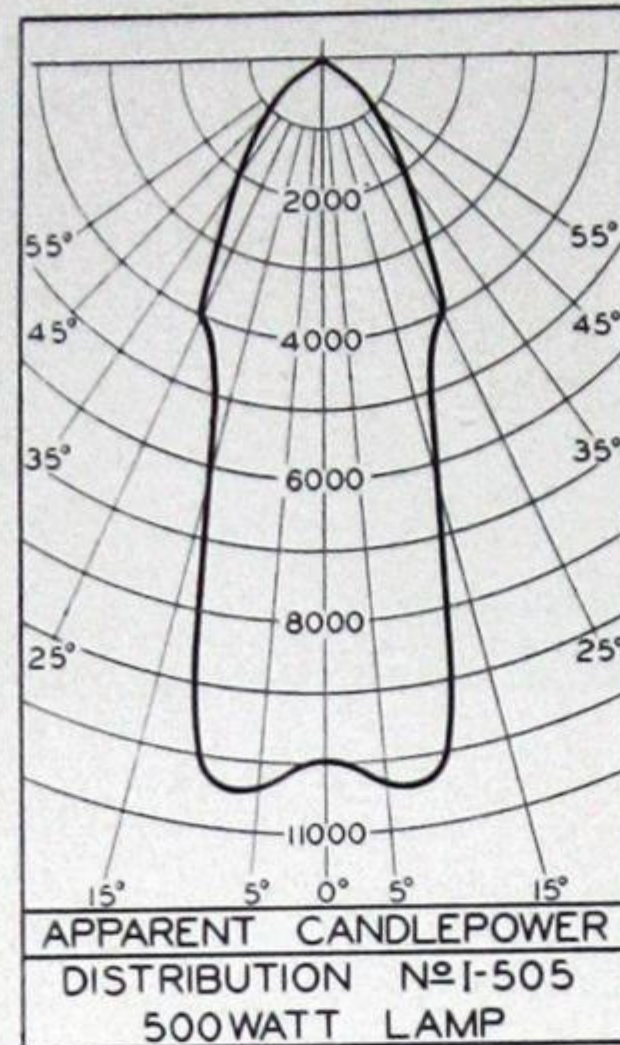
Library Stack Lighting

Most library stack rooms are poorly illuminated with bare lamps spaced at intervals between stacks. Since the shelving usually runs to the seven foot ceiling, such bare lamps illuminate the upper shelves satisfactorily but utterly fail to provide the necessary illumination to the bottom shelves. An intensive downwardly reflected light is essential to get good illumination on the lowest row of books and for this a silvered glass reflector is the best. However, a portion of the reflector must transmit light through the sides so as to illuminate the uppermost books. In addition, the distribution lengthwise of the stacks must be broader than crosswise, to permit a spacing of four to six feet between reflectors. Permaflexor LS-60 performs all these functions effectively and efficiently.

Permaflexor No. I-505 Series



No. I-505



No. I-505 Recessed in Ceiling with Ceiling Roundel No. 1575 and Guard.

Standard Quantity—1.

Weight, Approx. 13 lbs.

Code: Permaflexor No. I-505 including Outlet Box Cover Assembly No. B-3 and Holder No. M-3.....**IFIHUNFIVE**
Permaflexor No. I-505-GO (Glass Only).....**IFIHUFIGLA**

Application—For high bay industrial lighting where the lighting equipment is located 25 ft. or more above the floor and exceptional concentration is required. Very effective for lighting through skylights as in art galleries, bank lobbies and similar applications. Also a splendid reflector for service in direct lighting ornamental lanterns.

For industrial lighting the spacing between Permaflexors should not exceed their height above the work plane. See also I-505-S and I-505-RS.

Bottom Opening Circular—Diameter, 16 inches.

Lamp Size—
500 watt PS-40. 300 watt PS-35.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3 and Holder No. M-3. Attaches to any standard 4 inch outlet box 1 5/8 inches deep.

May Be Mounted on:
Conduit—No. 6, in which case discard outlet box cover.

When Installed Flush in Ceiling: Use
Flush Mounting Ring—No. I-1000.

When Recessed in Ceiling and Concealed: Use
Hinged Ceiling Roundel—No. 3.

Ceiling Roundel Not Hinged—No. 1575 (with Guard). Permaflexor must be accessible from space above ceiling.

For Louvered Lighting: Use
Concentric Louver—
No. FM-1575-C (Not Hinged). Permaflexors must be accessible from space above ceiling.
Hinged Concentric Louver—No. 3.

Permaflexor No. I-505-B

Standard Quantity—1.

Weight, Approx. 13 lbs.

Code: Permaflexor No. I-505-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. M-3.....**IFIHUFYBI**

Lamp Size—
500 watt PS-40. 300 watt PS-35.
Permaflexor No. I-505-B same as Permaflexor No. I-505 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.

Permaflexor No. I-505-3

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 13 lbs.

Code: Permaflexor No. I-505-3 including Outlet Box Cover Assembly No. B-33 and Holder No. M-3.....**IFIHUFITRE**

Lamp Size—
200-300-500 watt PS-40 Three-Light.
150-200-350 watt PS-35 Three-Light.
Permaflexor No. I-505-3 same as Permaflexor No. I-505 except equipped with Outlet Box Cover Assembly No. B-33.

Permaflexor No. I-505-3B

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 13 lbs.

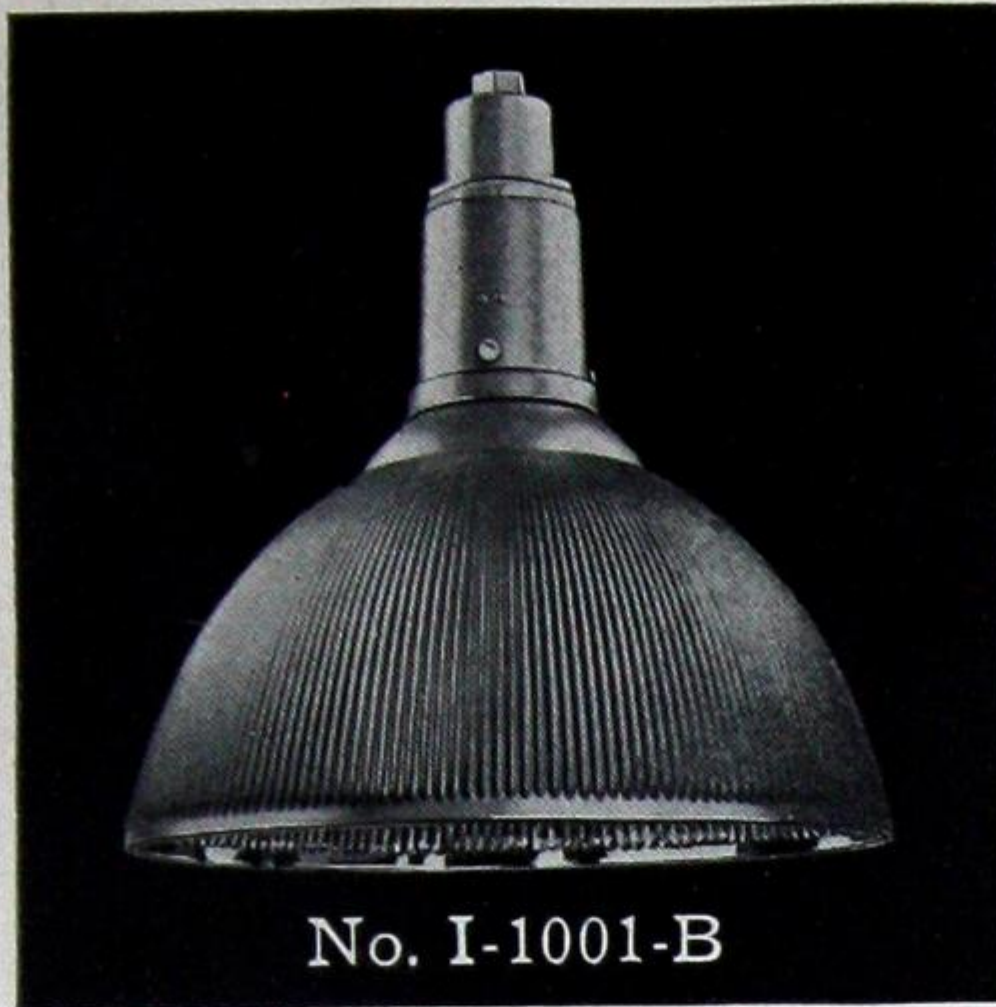
Code: Permaflexor No. I-505-3B including Box No. KO-11, Three Light Mogul Socket No. 5 and Holder No. M-3.....**IFIHUTREB**

Lamp Size—
200-300-500 watt PS-40 Three-Light.
150-200-350 watt PS-35 Three-Light.
Permaflexor No. I-505-3B same as Permaflexor No. I-505-3 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.

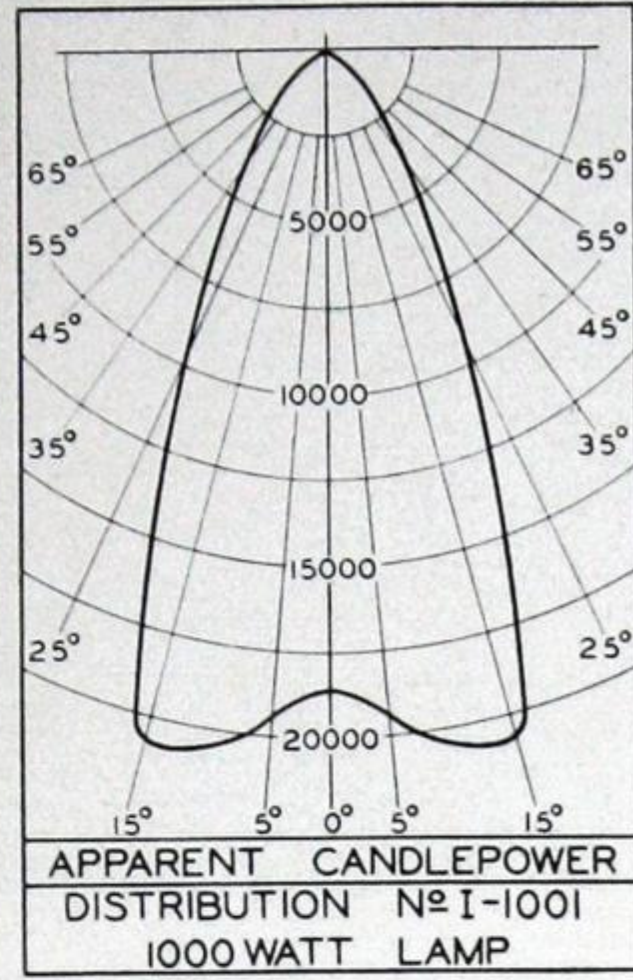


Superior Paper Products Co., Pittsburgh, Pa.

Permaflector No. I-1001 Series



No. I-1001-B



Permaflector No. I-1001

Standard Quantity—1. **Weight**, Approx. 13 lbs.

Code: Permaflector No. I-1001 including Outlet Box Cover Assembly No. B-3 and Holder No. M-10.....**ITHOSONE**
Glass Only (Permaflector No. I-505-GO).....**IFIHUGLA**

Application—Same as I-505. To be used where higher intensity is required. See also I-1000-S and I-1000-RS.

Bottom Opening Circular—Diameter, 16 inches.

Lamp Size—1000-750 watt PS-52.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3 and Holder No. M-10. Attaches to any standard 4 inch outlet box 1 5/8 inches deep.

May Be Mounted on:

Conduit—No. 6, in which case discard outlet box cover.

When Installed Flush in Ceiling: Use
Flush Mounting Ring—No. I-1000.

When Recessed in Ceiling and Concealed: Use
Hinged Ceiling Roundel—No. 3.

Ceiling Roundel (Not Hinged)—No. 1575 (with Guard). Permaflector must be accessible from space above ceiling.

For Louvered Lighting: Use
Concentric Louver—

No. FM-1575-C (Not Hinged). Permaflector must be accessible from space above ceiling.

Hinged Concentric Louver—No. 3.

Permaflector No. I-1001-B

Standard Quantity—1. **Weight**, Approx. 13 lbs.

Code: Permaflector No. I-1001-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. M-10.....**ITHOSONEBI**

Lamp Size—1000-750 watt PS-52.

Permaflector No. I-1001-B same as Permaflector No. I-1001 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.

Permaflector No. I-1001-3 For Use With Three-Light Lamp

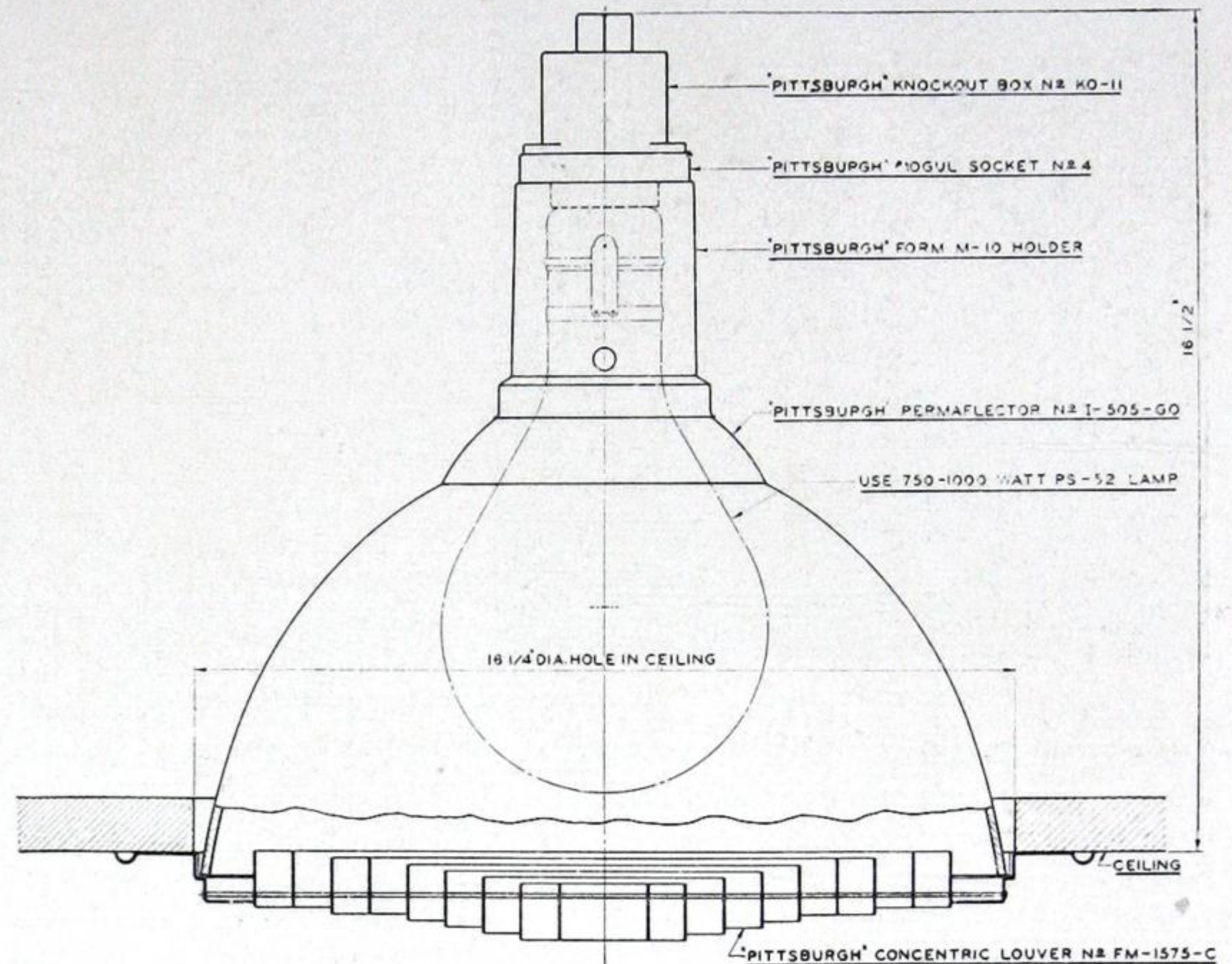
Standard Quantity—1. **Weight**, Approx. 13 lbs.

Code: Permaflector No. I-1001-3 including Outlet Box Cover Assembly No. B-33 and Holder No. M-10.....**ITHOSONTRE**

Lamp Size—

400-600-1000 watt PS-52 Three-Light.

Permaflector No. I-1001-3 same as Permaflector No. I-1001 except equipped with Outlet Box Cover Assembly No. B-33.



No. I-1001-B Recessed in Ceiling with Louver
No. FM-1575-C.

Permaflector No. I-1001-3B For Use With Three-Light Lamp

Standard Quantity—1. **Weight**, Approx. 13 lbs.

Code: Permaflector No. I-1001-3B including Box No. KO-11, Three-Light Mogul Socket No. 5 and Holder No. M-10 **ITHOSOTREB**

Lamp Size—

400-600-1000 watt PS-52 Three-Light.

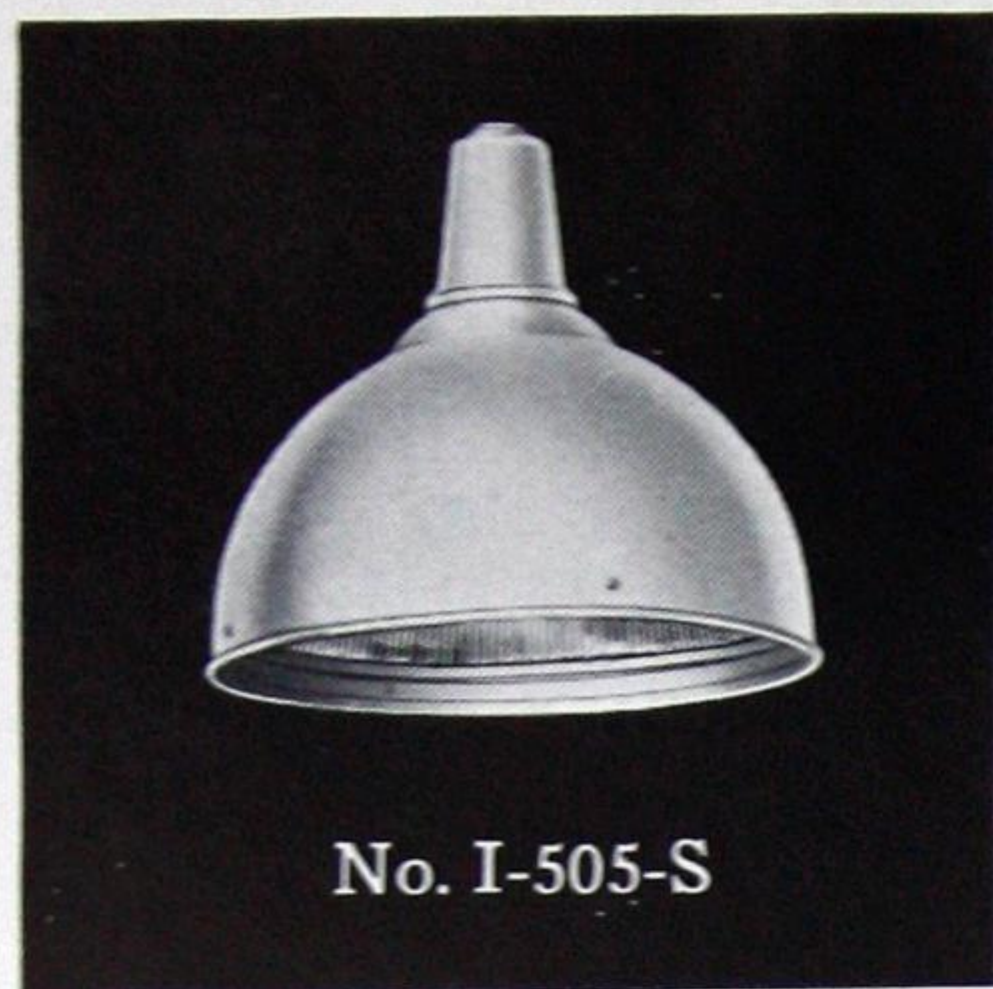
Permaflector No. I-1001-3B same as Permaflector No. I-1001-3 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.



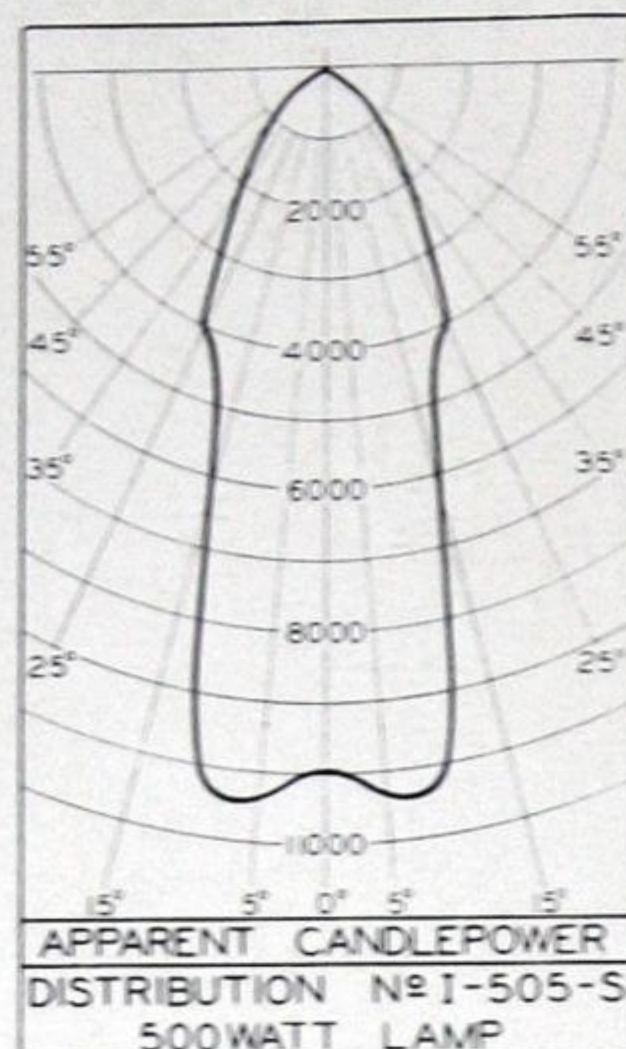
Reading Hosiery Mills, Reading, Pa., Permaflector E-225.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflector No. I-505-S



No. I-505-S



Standard Quantity—1.

Code: Permaflector No. I-505-S.....

Glass Only (Permaflector No. I-505-GO).....

Description—Permaflector No. I-505-GO enclosed in aluminum housing complete with mogul socket and arranged to attach to any ½ inch conduit hanger. Permaflector removable.

Application—Same as Permaflector No. I-505. Used where protection to silvered glass reflector is desirable.

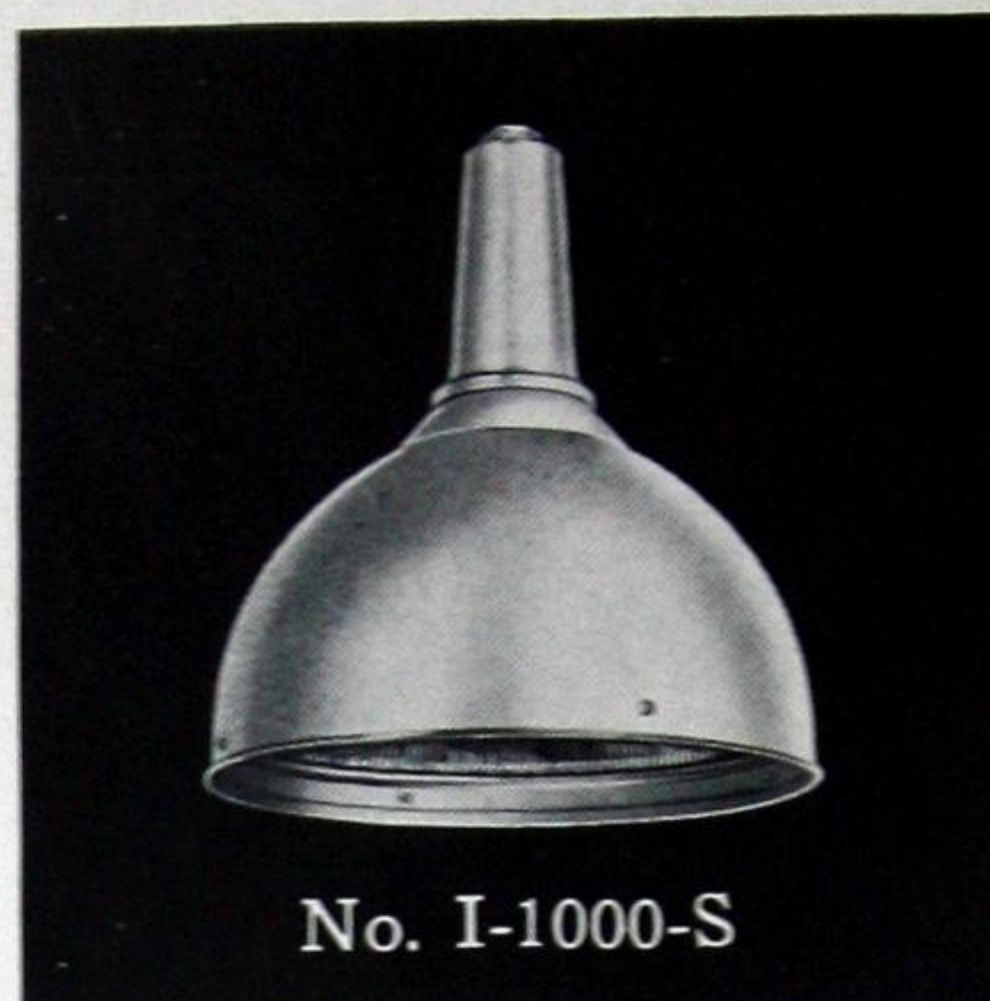
Dimensions—Diameter, 16½ inches; Height, overall, 16½ inches.
Lamp—500 watt PS-40; 300 watt PS-35.

Weight, Approx. 40 lbs.

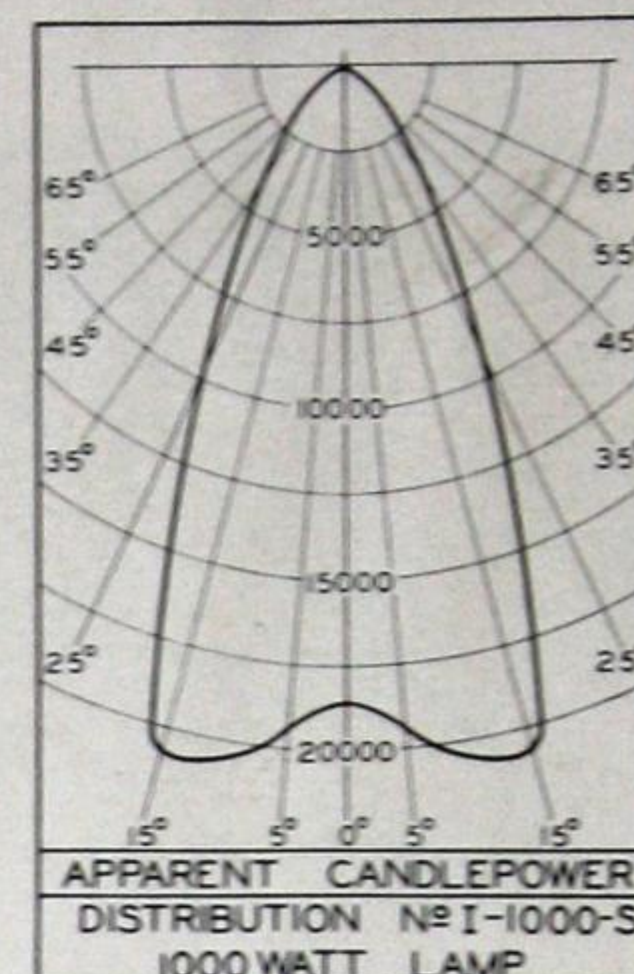
IFIHUNLUM

IFIHUFIGLA

Permaflector No. I-1000-S



No. I-1000-S



Standard Quantity—1.

Code: Permaflector No. I-1000-S.....

Glass Only (Permaflector No. I-505-GO).....

Description—Permaflector No. I-505-GO enclosed in aluminum housing complete with mogul socket and arranged to attach to any ½ inch conduit hanger. Permaflector removable.

Application—Same as Permaflector No. I-1001. Used where protection to silvered glass reflector is desirable.

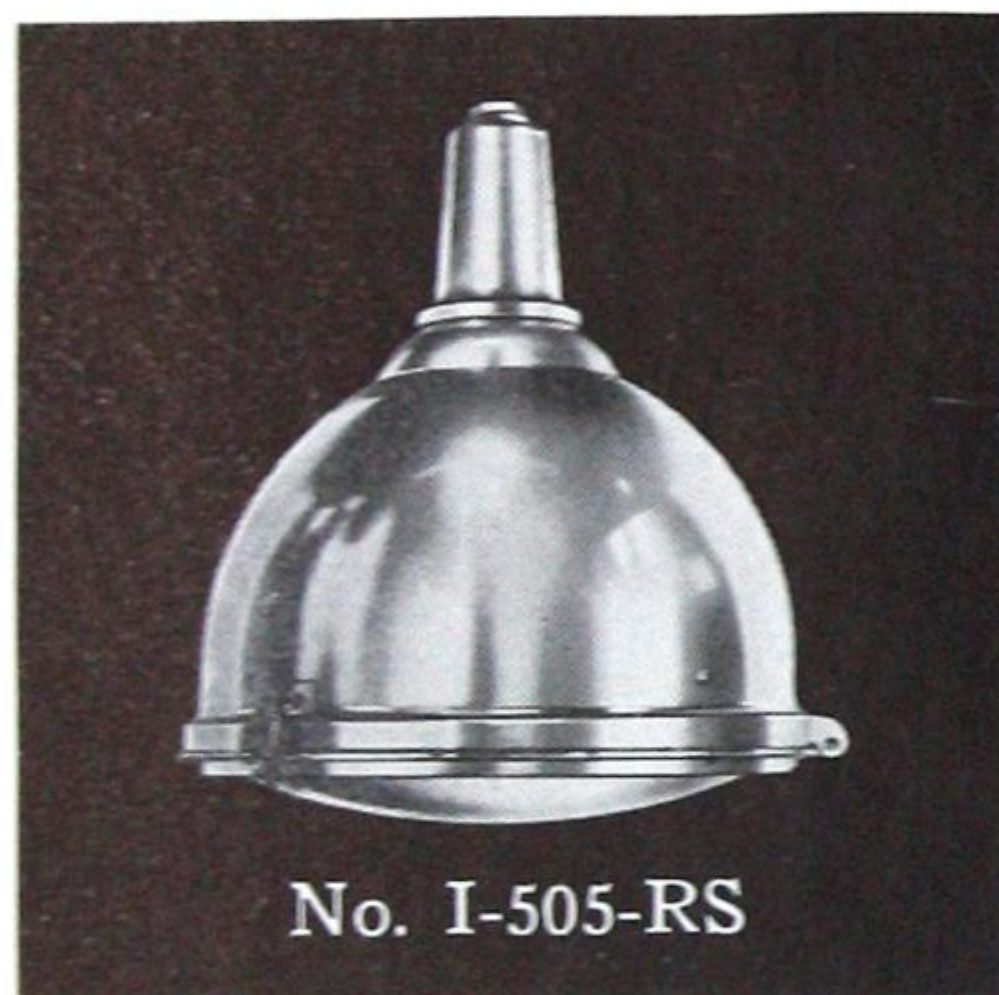
Dimensions—Diameter, 16½ inches; Height, overall, 18½ inches.
Lamp—1000-750 watt PS-52.

Weight, Approx. 40 lbs.

ITHOSALUM

IFIHUFIGLA

Permaflector No. I-505-RS



No. I-505-RS

Standard Quantity—1.

Weight, Approx. 50 lbs.

Code: Permaflector No. I-505-RS.....

Glass Only (Permaflector No. I-505-GO).....

IFIHUFIGLA

IFIHUFIGLA

Cover Glass Only

(15¼" Dia. H. R.

Stippled) RONTREGLA

Description — Same as

I-505-S but equipped

with hinged door carrying

heat resisting

stippled glass roundel.

Application — Same as

I-505-S.

Dimensions—Diameter, 16½ inches; Height, overall, 19 inches.
Lamp—500 watt PS-40. 300 watt PS-35.

Standard Quantity—1.

Weight, Approx. 50 lbs.

Code: Permaflector No. I-1000-RS.....

Glass Only (Permaflector No. I-505-GO).....

IFIHUFIGLA

IFIHUFIGLA

Cover Glass Only

(15¼" Dia. H. R.

Stippled) RONTREGLA

Description — Same as

I-1000-S but equipped

with hinged door carrying

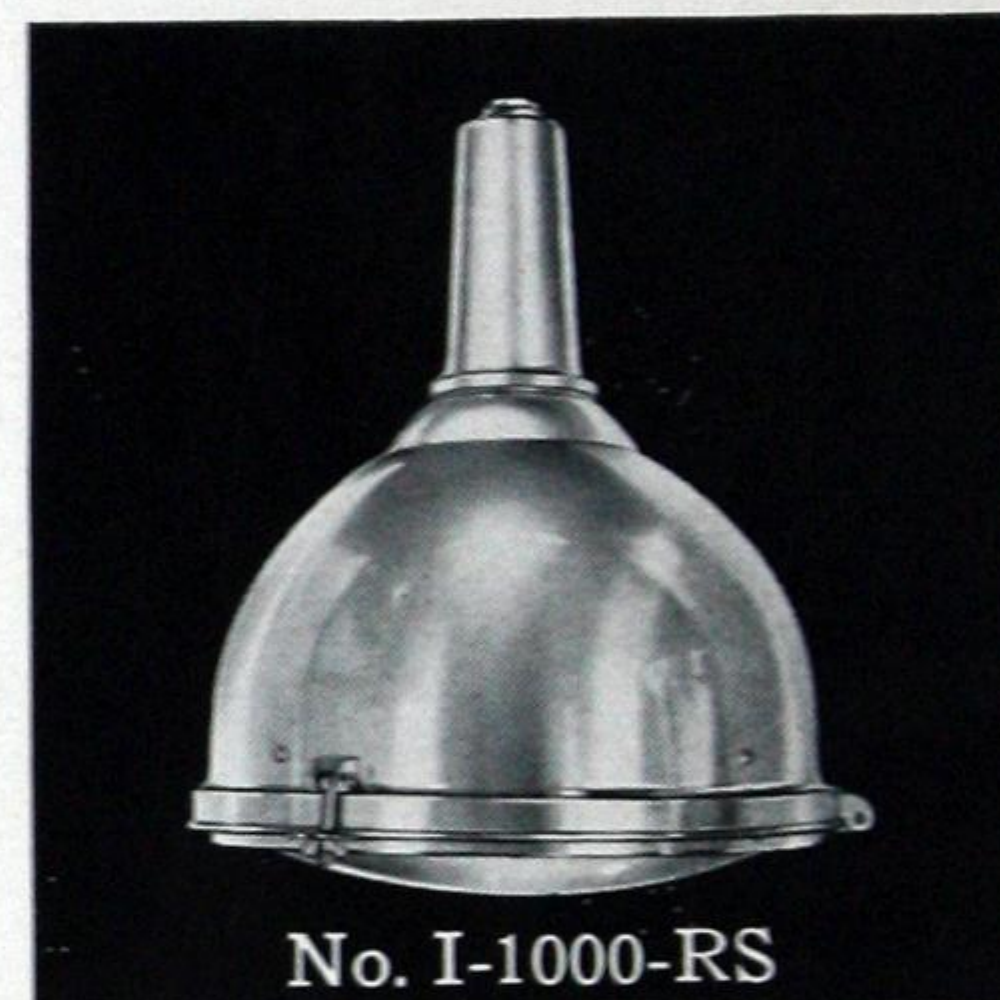
heat resisting

stippled glass roundel.

Application — Same as

I-1000-S.

Dimensions—Diameter, 16½ inches; Height, overall, 21 inches.
Lamp—1000-750 watt PS-52.

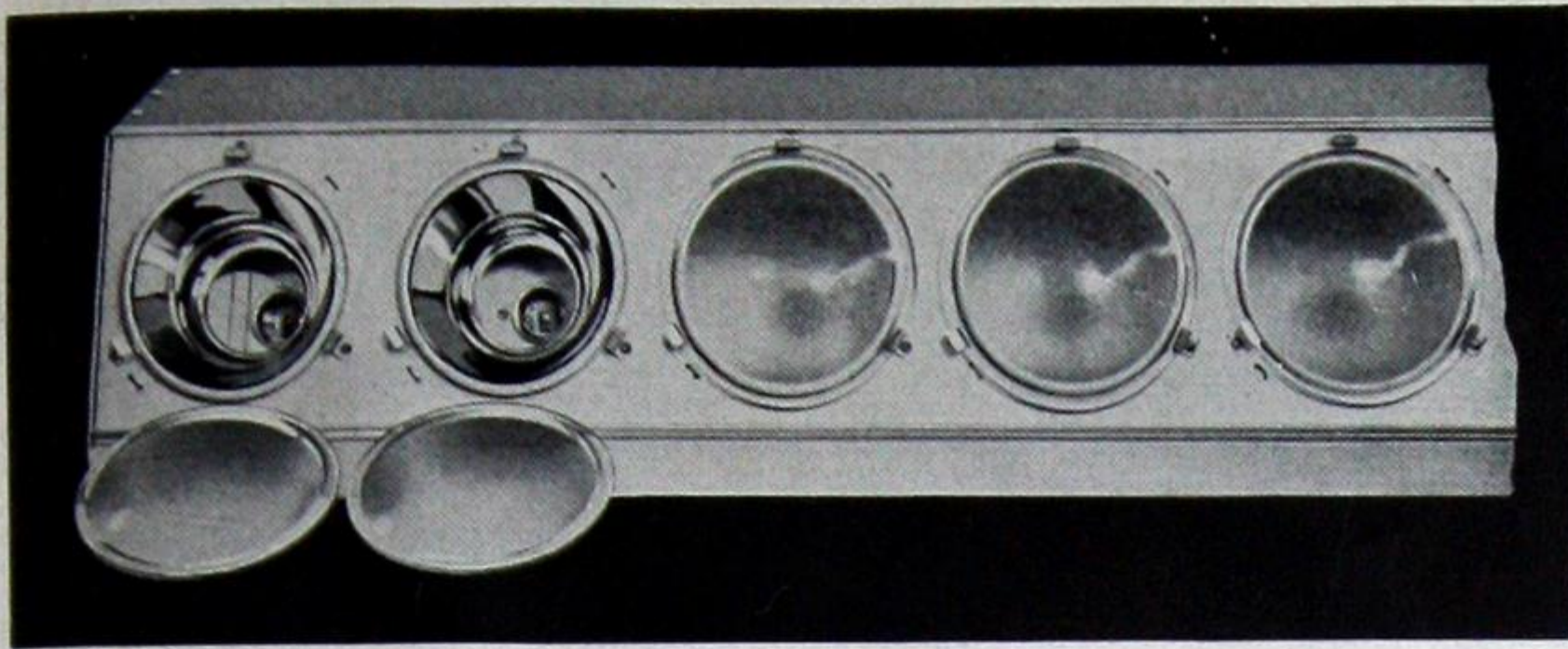


No. I-1000-RS



PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

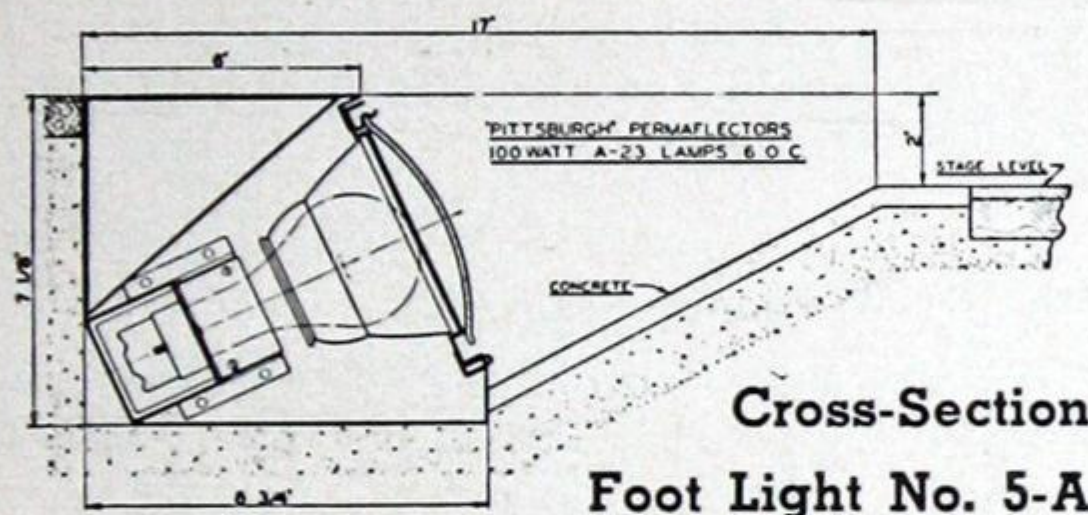
Permaflexor Theatre Footlights



Foot Light No. 5-A

Pittsburgh Foot Light No. 5-A is completely enclosed, self-contained, dust-tight. The convex glass roundels are easily removed to renew lamps. Front plate containing roundels is hinged in sections to get at the wiring.

When specifying No. 5-A Pittsburgh Foot Light, architects should detail as indicated, thus requiring the general contractor to build the stage so that the Pittsburgh Foot Light will accurately fit into place.



Cross-Section
Foot Light No. 5-A

Standard Quantity
—7' 6".

Weight, Approx.
65 lbs.

Sold complete with Permaflexors No. C-60 spaced 6 inches on centers and one F-7 Color-Lite for each outlet (Not Wired)

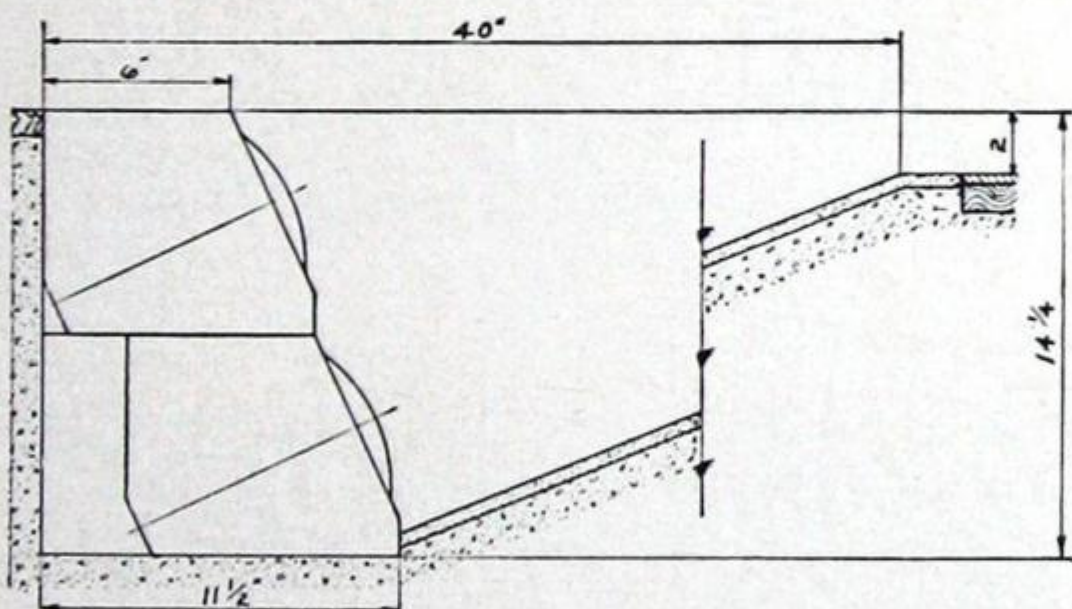
Color-Lite No. F-7, available in red, blue, green, amber, moon-light or uncolored stippled.

Code: Foot light No. 5-A Complete (Not Wired).....**FUTOFIVAYE**
Permaflexor No. C-60**SEESIXTY**

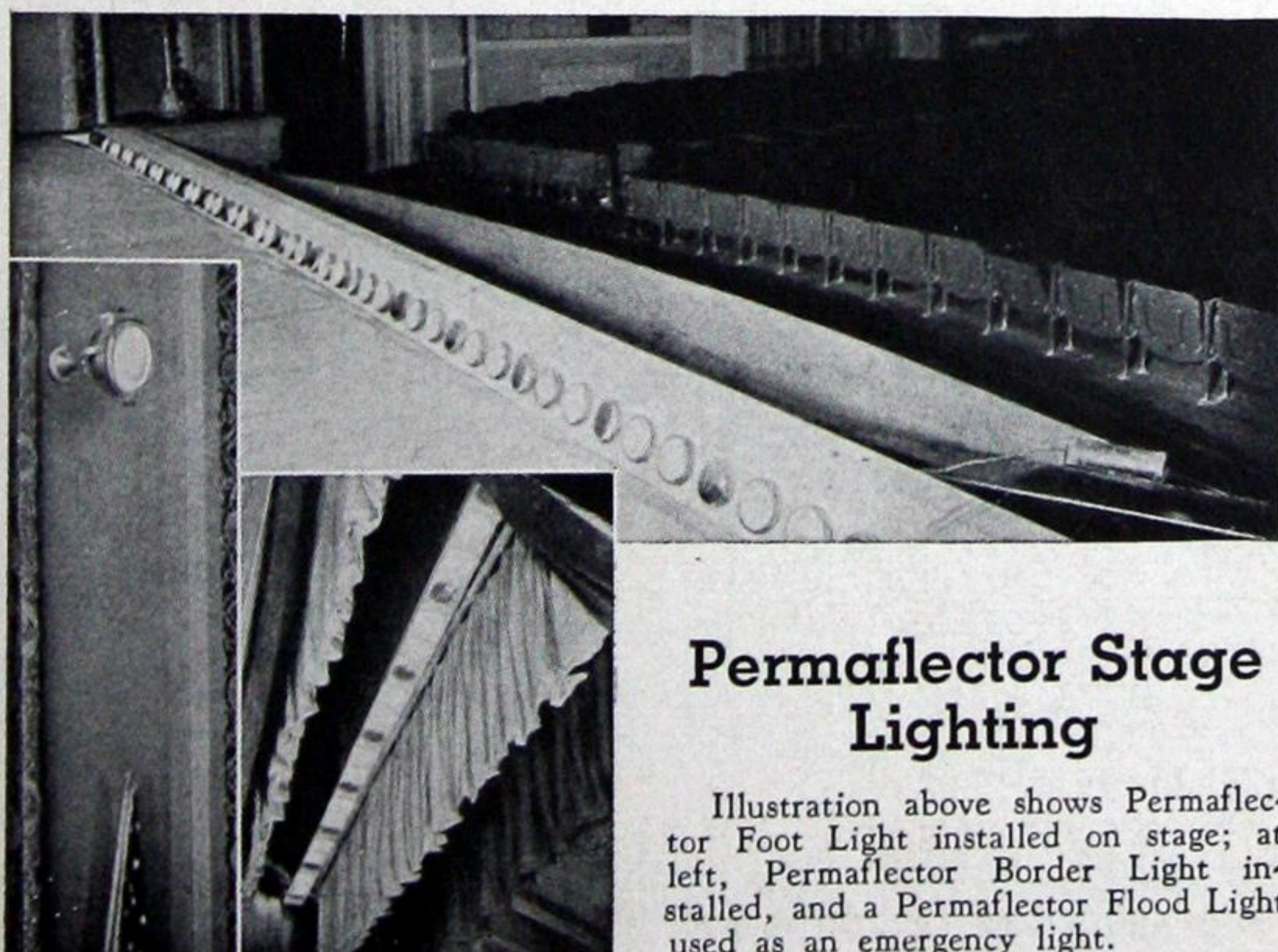
Lamp Size— Use 100 watt A-23.

Note: As many 7'-6" lengths are bolted together as may be required. When total required length is not evenly divisible by 7'-6", one section is made of special length.

Double Row of Foot Lights No. 5-A



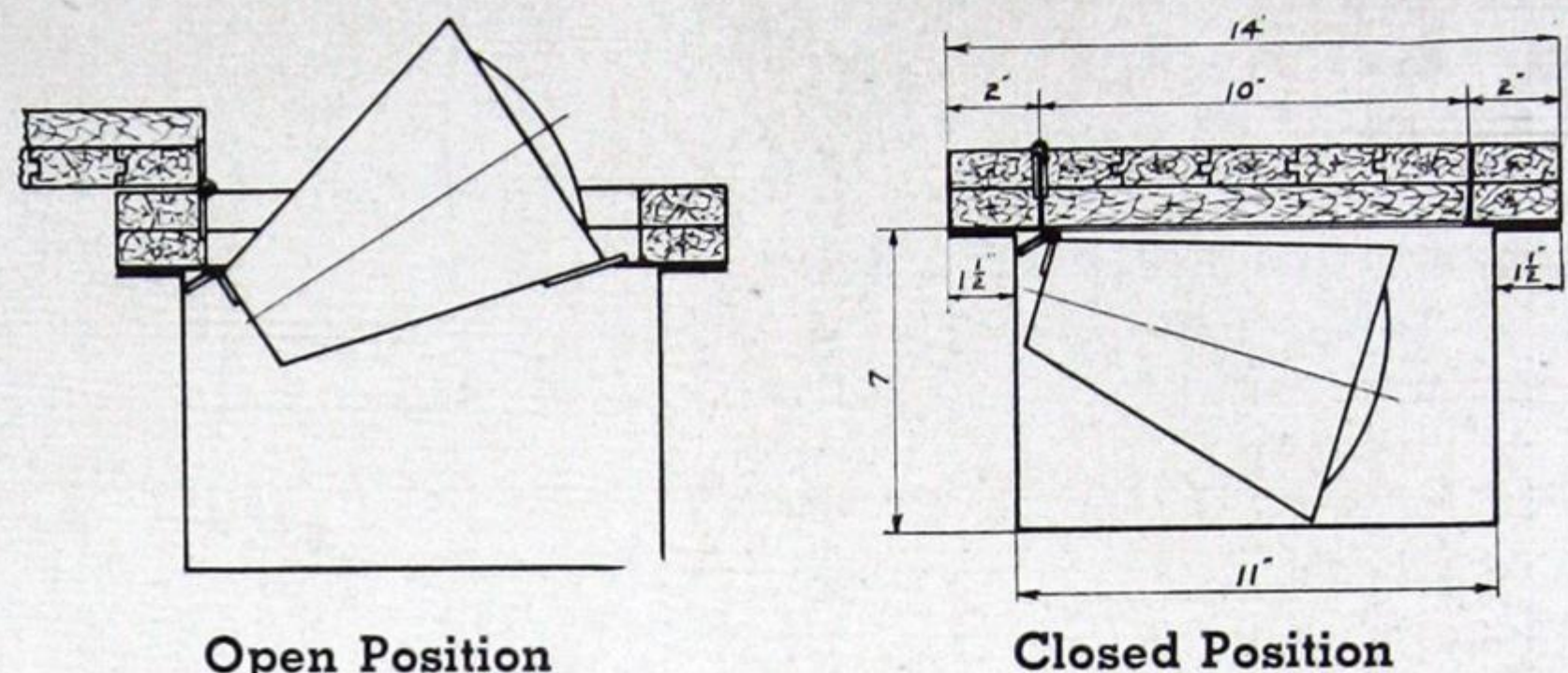
Top row bolted to bottom row internally at intervals. General contractor provides trough pocket and apron as shown in diagram. Electrical contractor sets self-contained footlights in place and makes wiring connections.



Permaflexor Stage Lighting

Illustration above shows Permaflexor Foot Light installed on stage; at left, Permaflexor Border Light installed, and a Permaflexor Flood Light used as an emergency light.

Disappearing Foot Light No. 9



Open Position

Closed Position

A complete self contained foot light, ready to be set in floor of stage and connected up. Made up in 5 ft. x 14 in. standard size. Each foot light contains 9 Permaflexors C-60 spaced 6 in. on centers, equipped with 9 Color-Lite No. F-7, three red, three blue and three uncolored stippled. Mercury switches in each of three circuits extinguish lights when foot light is closed. Wired with three circuits; red, blue and uncolored.

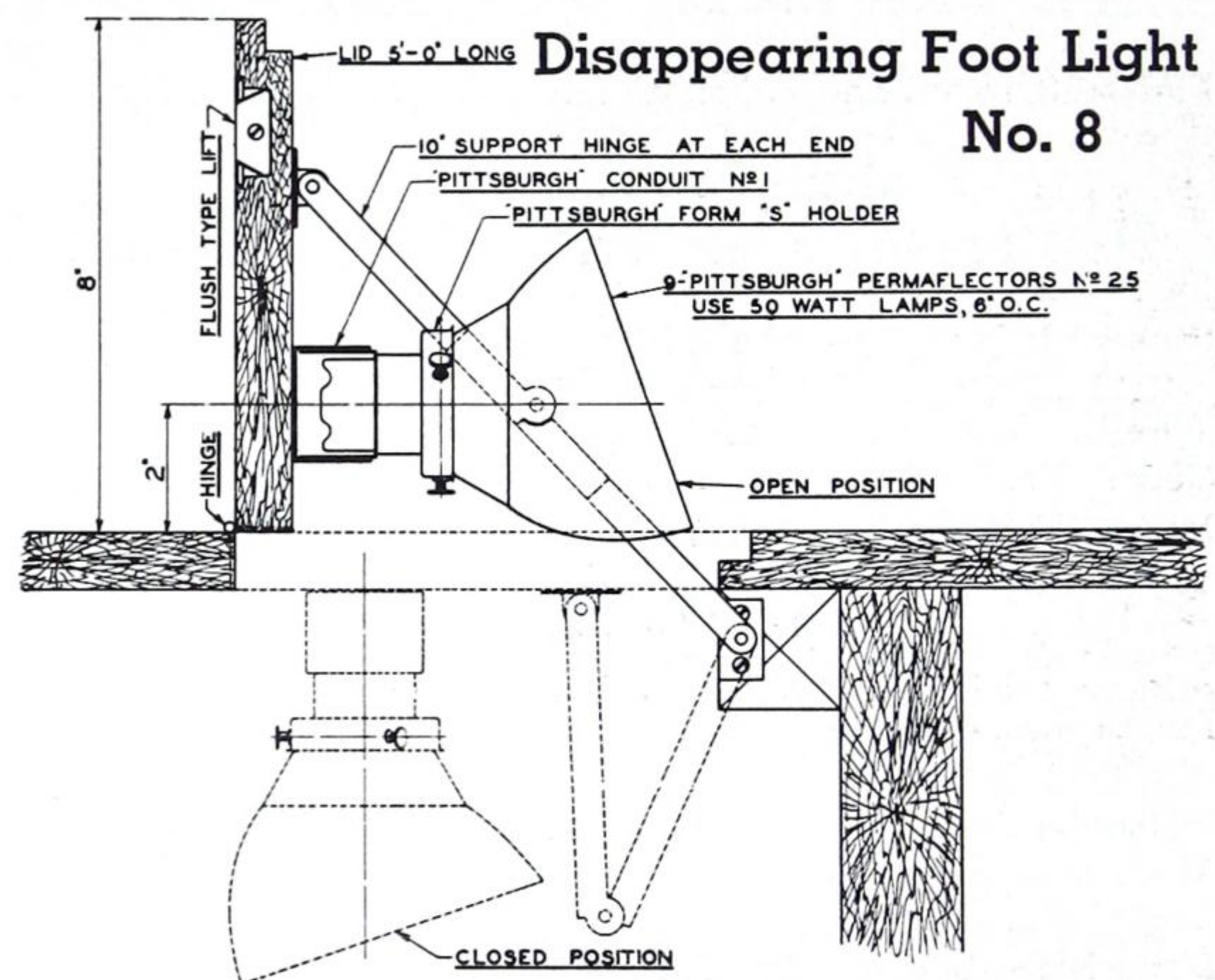
Standard Quantity—1.

Weight, Approx. 100 lbs.

Code: Disappearing Foot Light No. 9 (wired).....**FUTONINE**
Permaflexor No. C-60.....**SEESIXTY**

Lamp Size—

Use 100 watt A-23.



Disappearing Foot Light No. 8

For those schools having stage in the auditorium for which a disappearing foot light is desired, but who can not afford Disappearing Foot Light No. 9, we recommend Disappearing Foot Light No. 8. It consists of 5 ft. by 8 in. hinged sections in the floor, constructed as shown. These should be equipped with 10-in. support hinges at each end and a flush type of lift.

Attached to the bottom of the hinged lid, at the location shown, is a 4 ft. 8 in. length of Pittsburgh "Easy-to-Install" Conduit No. 1, equipped with 9 receptacles, spaced 6 in. on centers as shown, 2 1/4-in. Form 'S' shade holders, and 9 Pittsburgh Permaflexors No. 25.

The school authorities to arrange with the carpenter contractor for construction of these hinged sections in accordance with the detail here shown.

Electrical contractor may furnish and install the "Easy-to-Install" Conduit and Permaflexors.

Permaflexor Equipment Consists of:

- 9 Outlets of Conduit No. 1, spaced 6" on centers (not wired).
- 9 Permaflexors No. 25.
- 9 2 1/4" Form 'S' Holders.

Code: Disappearing Foot Light No. 8 Permaflexor Equipment

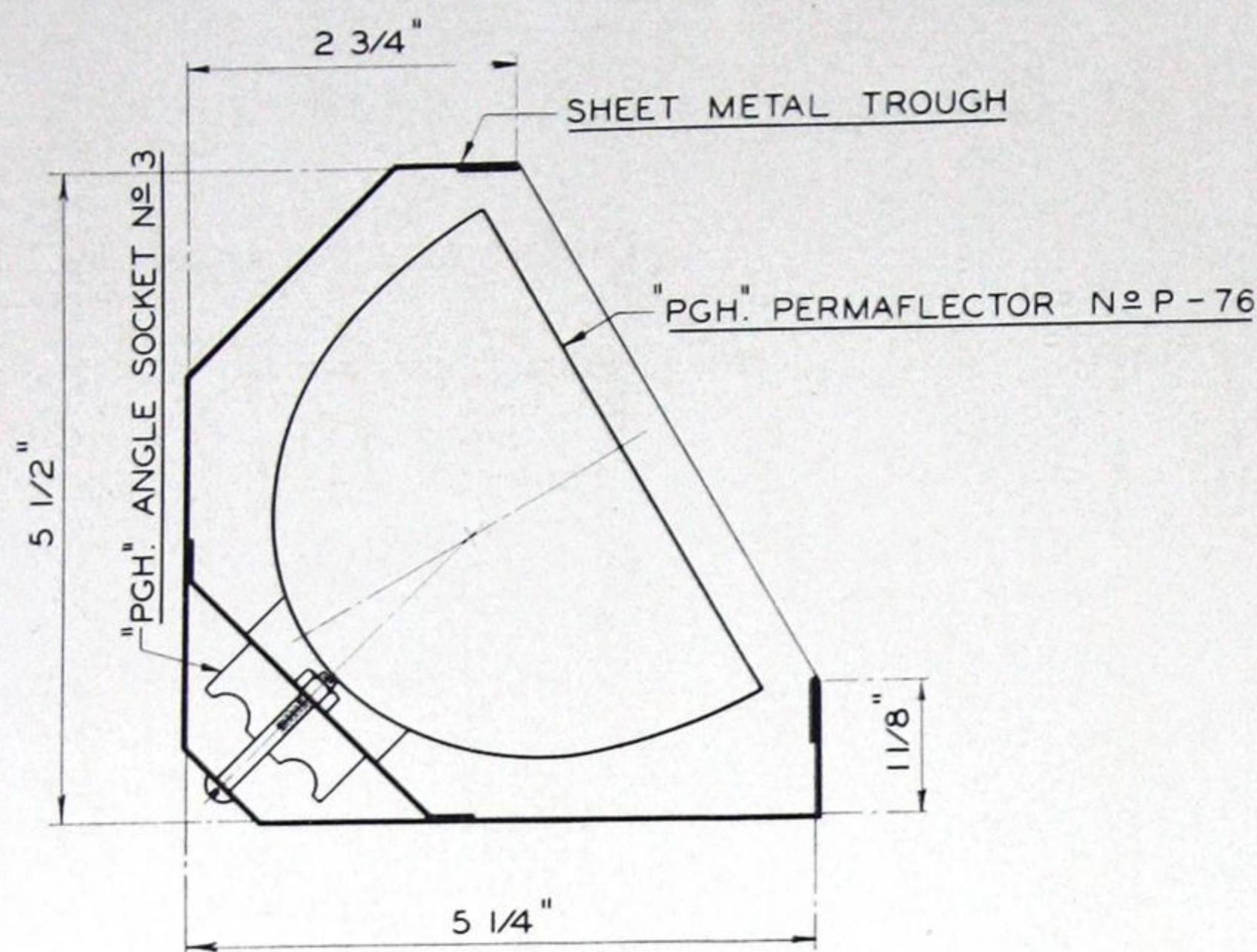
FUTATE

Lamp Size—

Use 25 watt A-19, 6" on centers.

Use 50 watt mill type, 6" on centers.

Portable Foot Lights Nos. 12 and 13



Portable foot light designed for show window lighting service, but also useful for amateur stage productions and other displays.

Fabricated of 20 gauge sheet steel, finished in aluminum or bronze. Not wired.

Color-Lite No. 12-A may be fitted on Permafectors when desired. Color-Lites available with red, amber, green, blue or uncolored stippled roundels.

Finish: Sprayed and baked aluminum or dark bronze finish.

Portable Foot Light No. 12

Standard Length 10 Feet, with 15 Permafectors No. P-76, 8 inches on centers.

Standard Quantity—1 Length. **Weight**, Approx. 60 lbs.

Sold in Standard Lengths of 10 feet, less Color-Lites (Not Wired). Also sold in special lengths to order.

Code: Standard Length.....**FUTONTU**

Lamp Size—Use 100 watt A-23.

Portable Foot Light No. 13

Standard Length 10 Feet, with 10 Permafectors No. P-76, 12 inches on centers.

Standard Quantity—1 Length. **Weight**, Approx. 58 lbs.

Sold in Standard Lengths of 10 feet, less Color-Lites (Not Wired). Also sold in special lengths to order.

Code: Standard Length.....**FUTONTRE**

Lamp Size—Use 100 watt A-23.

Proscenium Strip No. 7

A completely enclosed, self-contained unit, built of 20 gauge galvanized iron, aluminum external finish. Permafecter No. C-60 snugly set in hinged bottom plate. Glass Color-Lites No. F-7 snap into clips which are tightly compressed by a hinged keeper ring.

Made in standard lengths of 7'-6" with 15 outlets spaced 6" on centers. Wiring box at top or bottom, as specified.

Furnished complete as shown, (unwired) including fittings for attaching to wall.

Standard Quantity—7'-6".

Weight, Approx. 113 lbs.

Code: Proscenium Strip No. 7

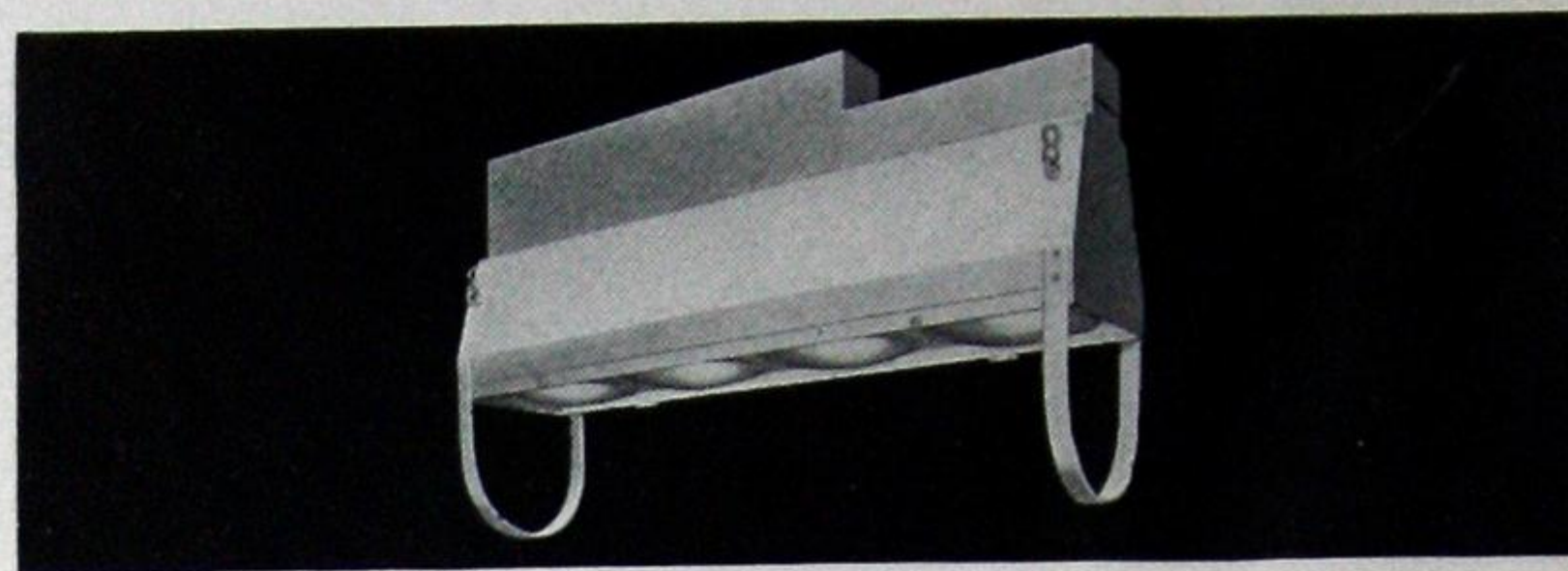
Complete**PROSTRIP**
Permafecter only (C-60).....**SEESIXTY**

Lamp Size—Use 100 watt A-23.

Note: As many of the standard 7'-6" lengths are bolted together as may be required to make up the total length of proscenium strip specified. When the total length is not evenly divisible by 7'-6", one section is made special to required dimension.



Permafecter Theatre Border Lights



Border Light No. 6

Standard Quantity—9'-0".

Weight, Approx. 150 lbs.

A completely enclosed, self-contained unit, built of 20 gauge galvanized iron, aluminum finish. Permafecter C-101 snugly set in metal bottom plate on 9" centers. Glass Color-Lites No. F-2 set in hinged metal plate for easy access to lamps.

Made in standard lengths of 9 feet with 12 outlets 9" on centers. Strap steel guards 36" on centers. Wiring box installed at center or either end as specified. Terminal connection block furnished in wiring box for convenience of installation and maintenance.

Furnished complete as shown, **unwired**, but equipped with chain for attaching to pipe batten. Chains spaced 36" on centers.

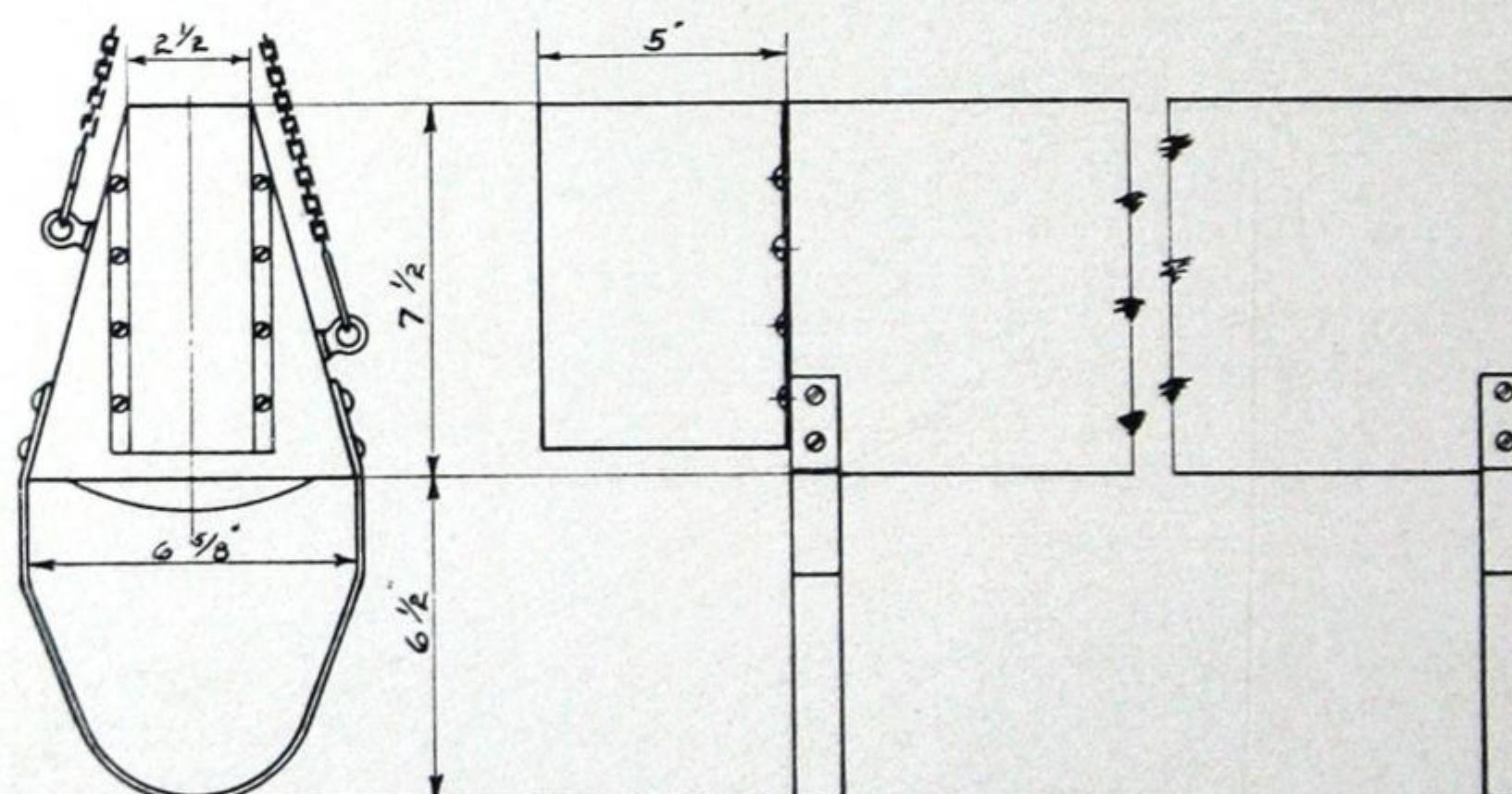
We do not furnish pipe batten, strain insulator, flexible border light cable, lamps or rigging of any kind.

Code: Border Light No. 6 Complete (Not Wired)**BORLISIX**
Permafecter only No. C-101.....**SEHUNDERUN**

Lamp Size—Use 200 watt PS-30.

Note: As many standard 9' lengths are bolted together as may be required. When total length is not evenly divisible by 9', one section is made special to required dimension.

Border Light No. 7



Standard Quantity—7'-6"

Weight, Approx. 120 lbs.

A completely enclosed, self-contained unit, built of 20 gauge galvanized iron, Aluminum external finish. Permafecter No. C-60 snugly set in hinged bottom plate. Glass Color-Lites No. F-7 snap into clips which are tightly compressed by a hinged keeper ring.

Made in standard lengths of 7'-6" with 15 outlets spaced 6" on centers. Wiring box installed at center of either end, as specified. Terminal connection block furnished in wiring box for convenience of installation and maintenance.

Furnished complete as shown, unwired, but equipped with chain for attaching to pipe batten. Chains spaced 36" on centers.

We do not furnish pipe batten, strain insulator, flexible border light cable, lamps or rigging of any kind.

Code: Border Light No. 6 complete (Not Wired).....**BORLISEVE**
Permafecter only, No. C-60.....**SEESIXTY**

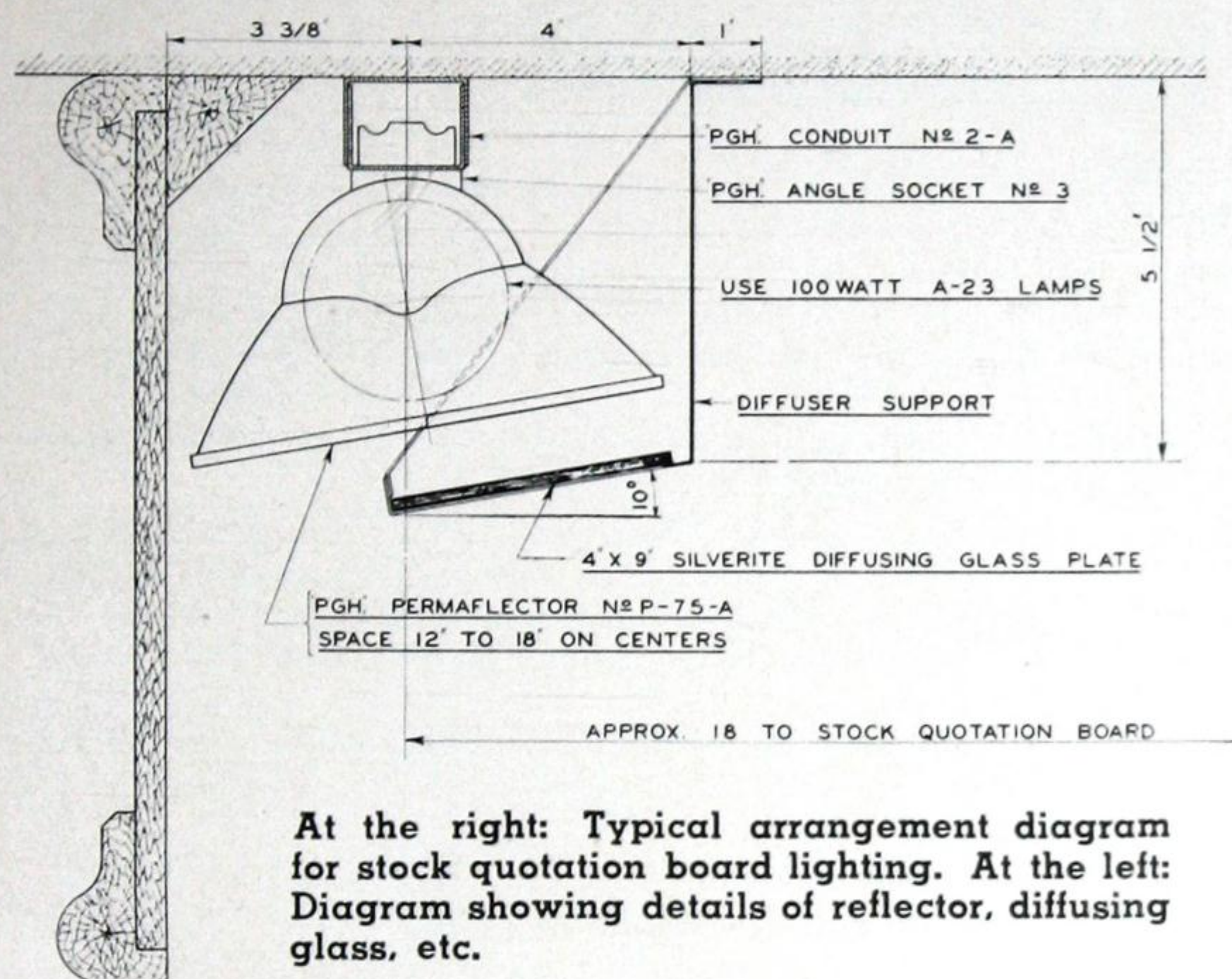
Lamp Size—Use 100 watt A-23.

Note: As many standard 7'-6" lengths are bolted together as may be required. When total length is not evenly divisible by 7'-6", one section is made special to required dimension.

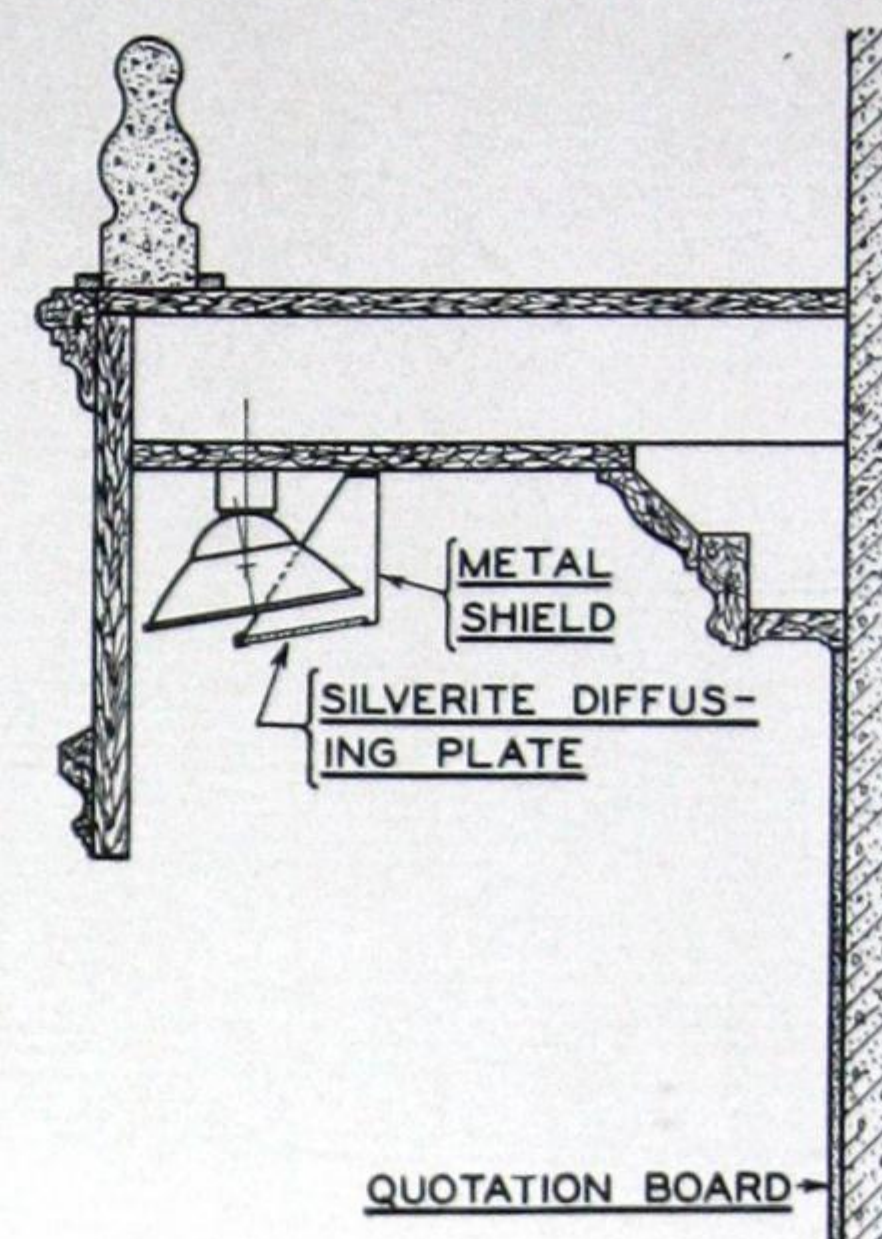
Permalector Stock Quotation Board Lighting Trough

Stock quotation boards have often presented a difficult illumination problem, because every figure on the blackboards must be clearly visible to patrons without evidence of glare. The lighting preferably should be accomplished from the top of the boards, and the lighting equipment may not be located any great distance from the boards.

A very concentrating reflector of the type of Permalector No. P-75-A is recommended, and in order to reduce the tendency toward halations at the top of the board, a diffusing plate covering half of the reflector should be installed. This diffusing plate consists of rectangular pieces of Silverite glass, one beneath each unit. The spacing of reflectors is from 12 to 18 inches on centers, depending upon conditions of the installation.

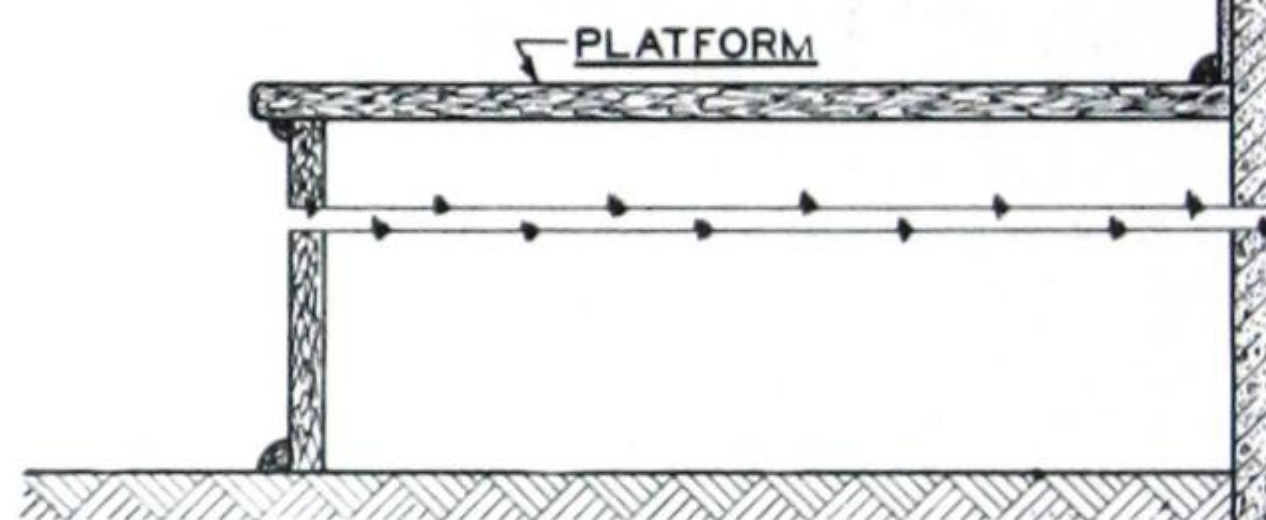


At the right: Typical arrangement diagram for stock quotation board lighting. At the left: Diagram showing details of reflector, diffusing glass, etc.



CROSS SECTION OF STOCK QUOTATION BOARD

"PITTSBURGH" PERMALECTOR N° P-75
SPACE 12" TO 18" CENTER TO CENTER
USE 100 WATT INSIDE FROSTED LAMP
PITTSBURGH CONDUIT N° 2 OR 2-A



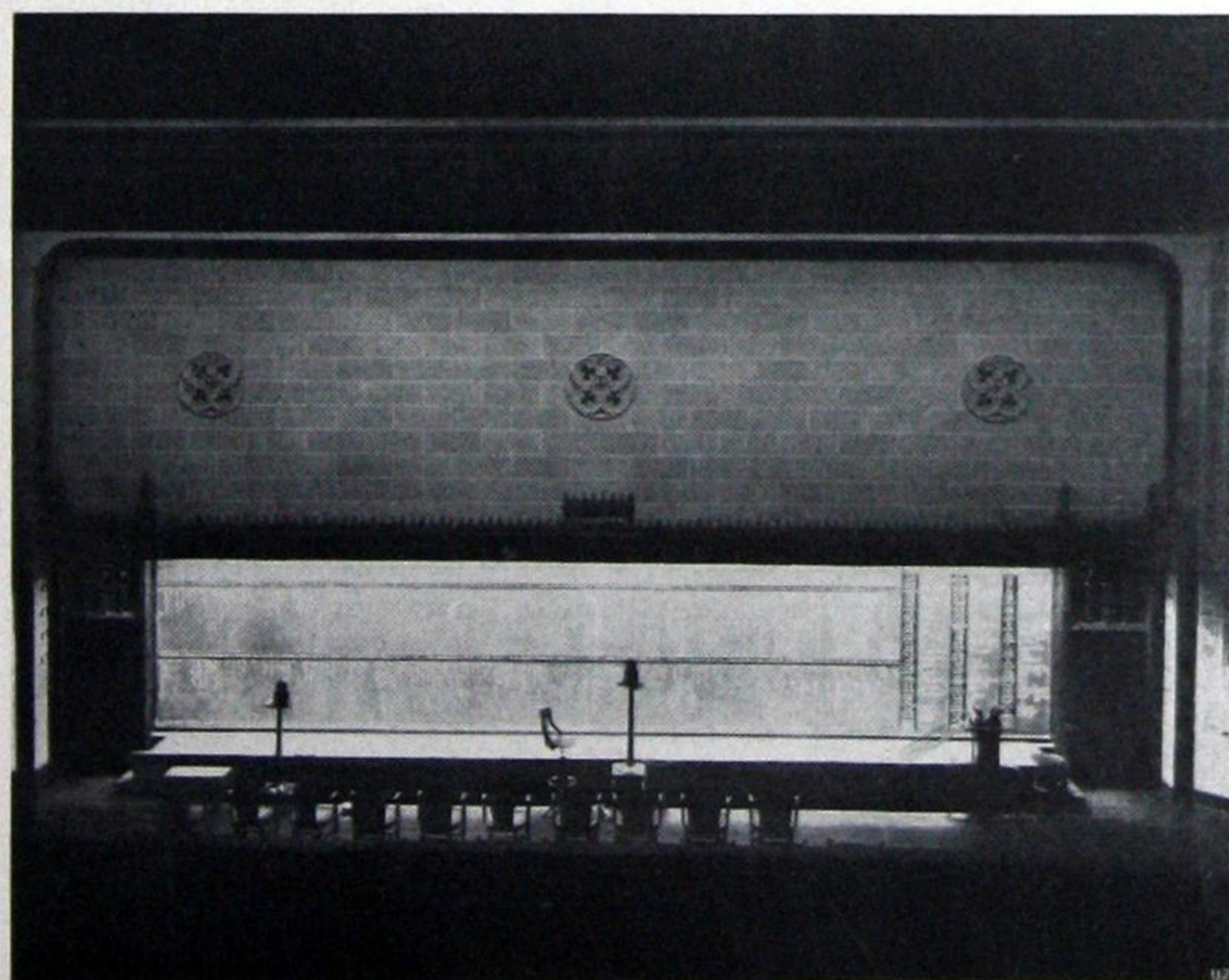
Description—Consists of Conduit No. 2-A, outlets spaced 12 to 18 inches on centers as required for the installation; Permalector P-75-A and metal framework for supporting diffusing glass below each Permalector. Furnished complete, **not wired**.

Code: Stock Quotation Board Lighting Trough

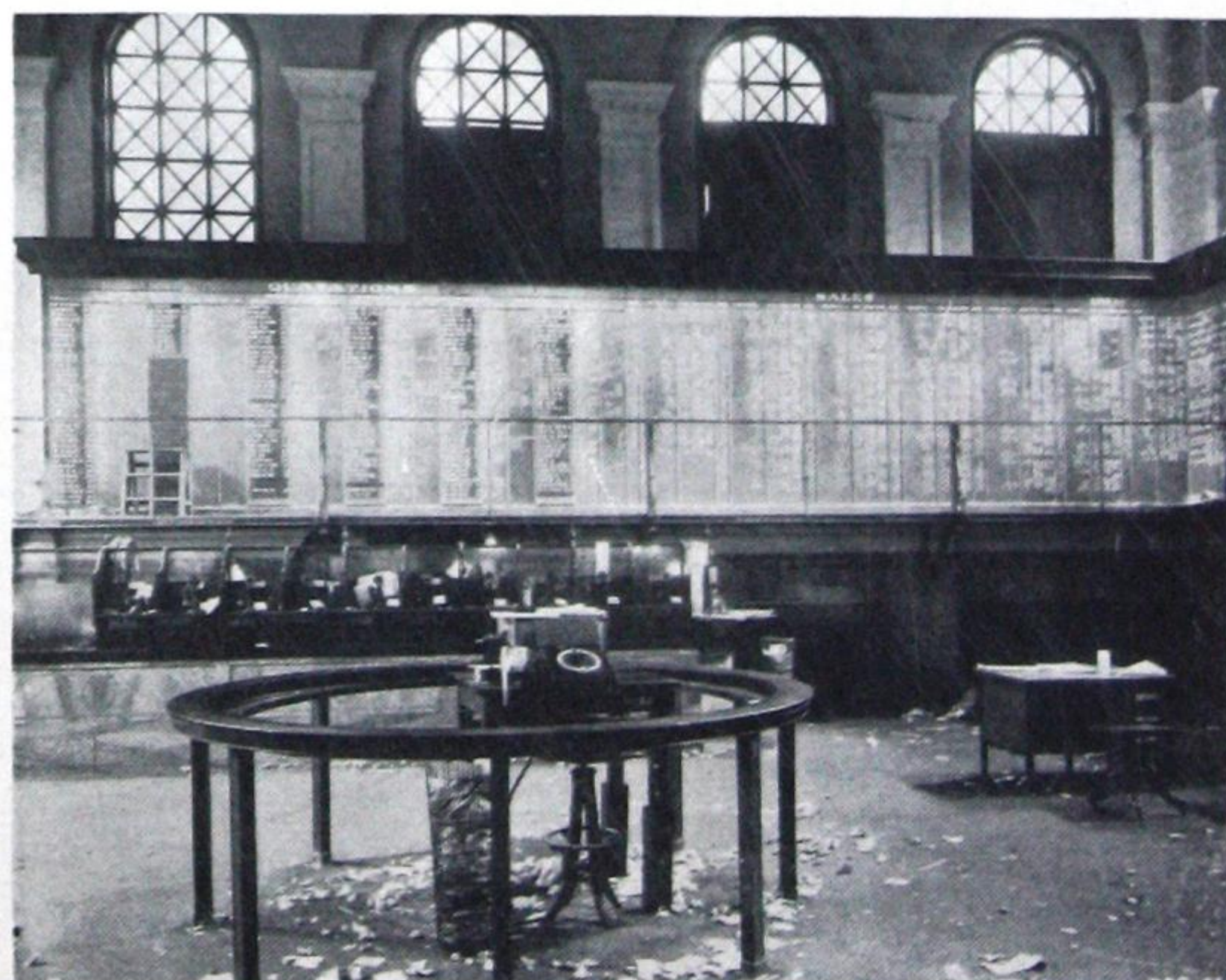
(Not Wired)	QUOTROUGH
Permalector Only (No. P-75-A)	PASEFA
Silverite Glass Only (4"x9")	DIFUSGLA

Lamp Size—

Use 100 watt A-23.



Stock quotation board of Moore, Leonard & Lynch, Pittsburgh, Pa., lit by Permalectors P-75 with 75-watt clear lamps, 15 inches on centers.



A view of the Pittsburgh Stock Exchange showing a board illuminated by Permalectors.

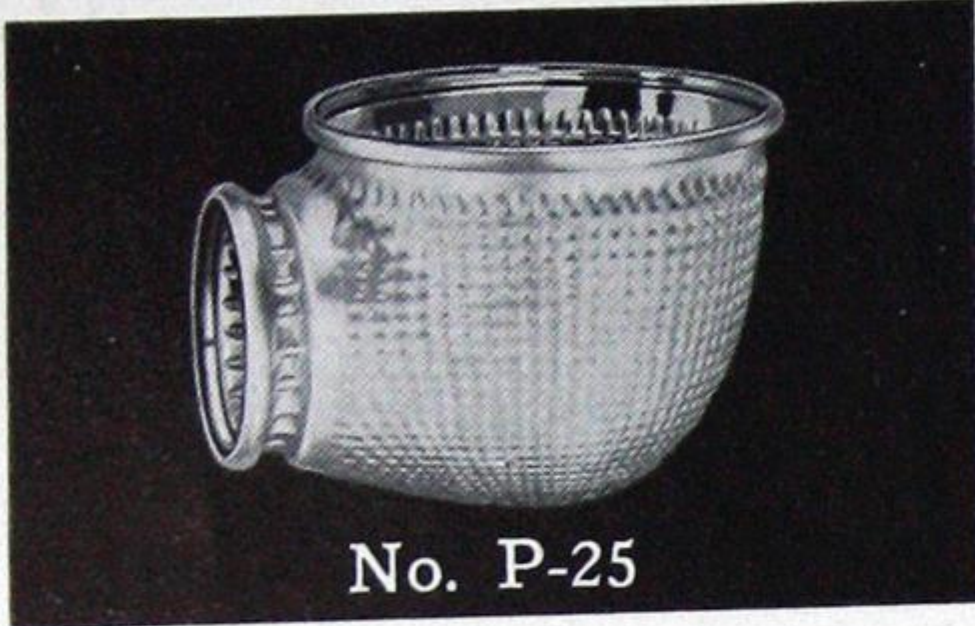
PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

P Type Permaflectors

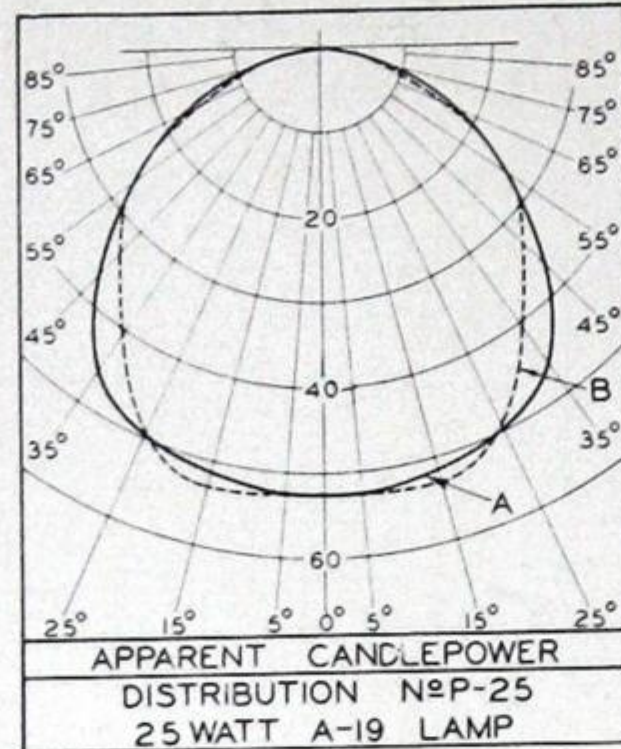
INDIRECT COVE LIGHTING

The P Type Permaflectors are designed for use with lamps in the horizontal position and find their greatest use for indirect lighting from coves. They are also used in shallow indirect lighting bowls employing a number of lamps radiating horizontally from a center body carrying the sockets. They are excellent for lighting stock quotation boards, wall cases, bank cages, art galleries and museums, small show windows where overhead room is limited, rug racks, etc.

Permaflector No. P-25



No. P-25



Standard Quantity—24.

Code: Permaflector No. P-25.....PATUFI

Minimum Spacing—6 inches on centers.

Dimensions—Opening, 3 1/8 inches diameter; Height, 3 1/4 inches; Length, 4 1/2 inches.

Lamp Size—25 watt A-19. 40 watt A-19.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder for 25 watt A-19 lamp; with grooved porcelain socket, use 2 1/4" Form 'OP' holder for 25 watt A-19 lamp; with Conduit No. 2-A or Outlet Box Cover Assemblies No. B-2-3 1/4 or B-2-4, use 2 1/4" Form 'S' holder for 25 watt A-19 lamp; 2 1/4" Form 'SL' holder for 40 watt A-19 lamp, attached directly to socket.

May Be Installed With:

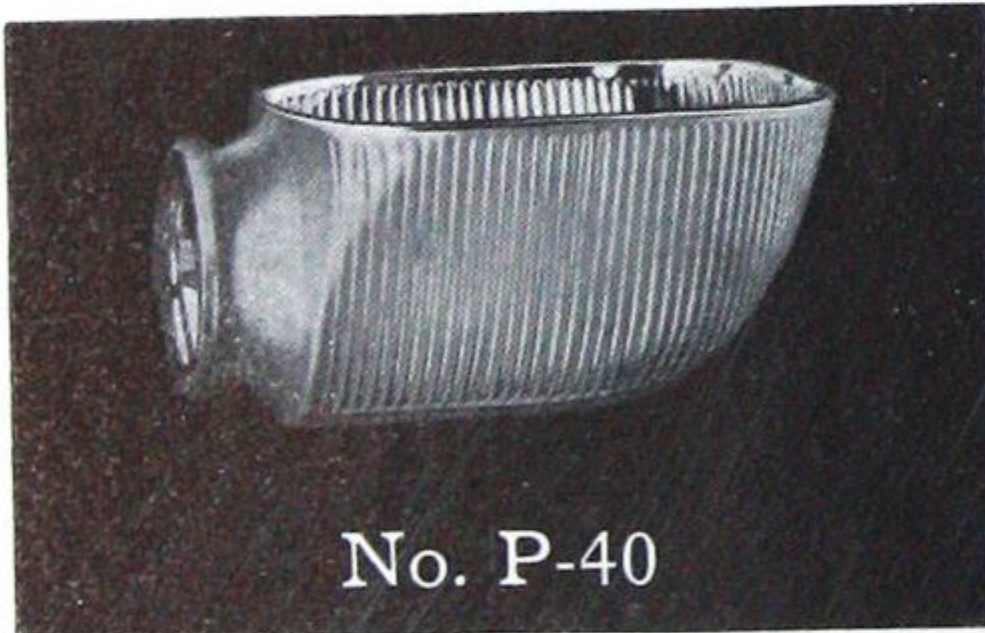
Outlet Box Cover Assembly—No. B-2-3 1/4 or B-2-4 with 2 1/4" Form 'S' or 'SL' holders.

May Be Mounted on:

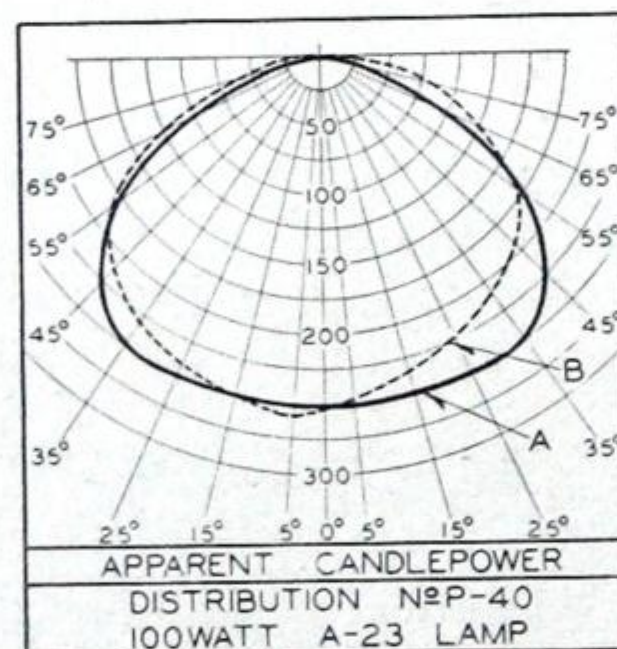
Conduit—No. 2-A or No. 63 with 2 1/4" Form 'S' or 'SL' holders.

Weight, Approx. 13 lbs

Permaflector No. P-40



No. P-40



Standard Quantity—24.

Code: Permaflector No. P-40.....PAFORT

Minimum Spacing—7 3/4 inches on centers.

Dimensions—Height, 2 3/4 in., Width, 4 1/4 in., Length, 5 1/2 in.

Lamp Size—60 watt A-21. 75 watt A-21. 100 watt A-23.

Holder—with brass shell socket, use 2 1/4" Form 'OB' holder for 60 watt A-21 lamp; 2 1/4" Form 'HB' holder for 100 watt A-23 lamp; with grooved porcelain socket, use 2 1/4" Form 'OP' holder for 60 watt A-21 lamp; 2 1/4" Form 'HP' holder for 100 watt A-23 lamp; with conduit No. 2-A or Outlet Box Cover Assemblies No. B-2-3 1/4 or B-2-4, use 2 1/4" Form 'S' holder for 60 watt A-21 lamp; 2 1/4" Form 'SL' holder for 75 watt A-21 lamp; 2 1/4" Form 'L' holder for 100 watt A-23 lamp, attached directly to socket.

May Be Installed With:

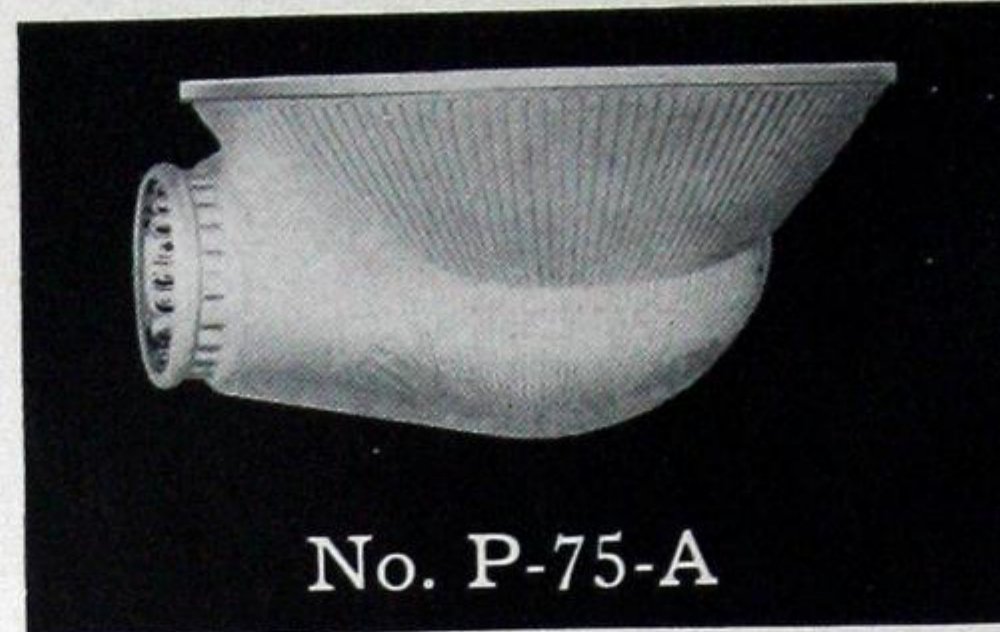
Outlet Box Cover Assembly—No. B-2-3 1/4 or B-2-4 with 2 1/4" Form 'S', 'SL' or 'L' holders.

May Be Mounted on:

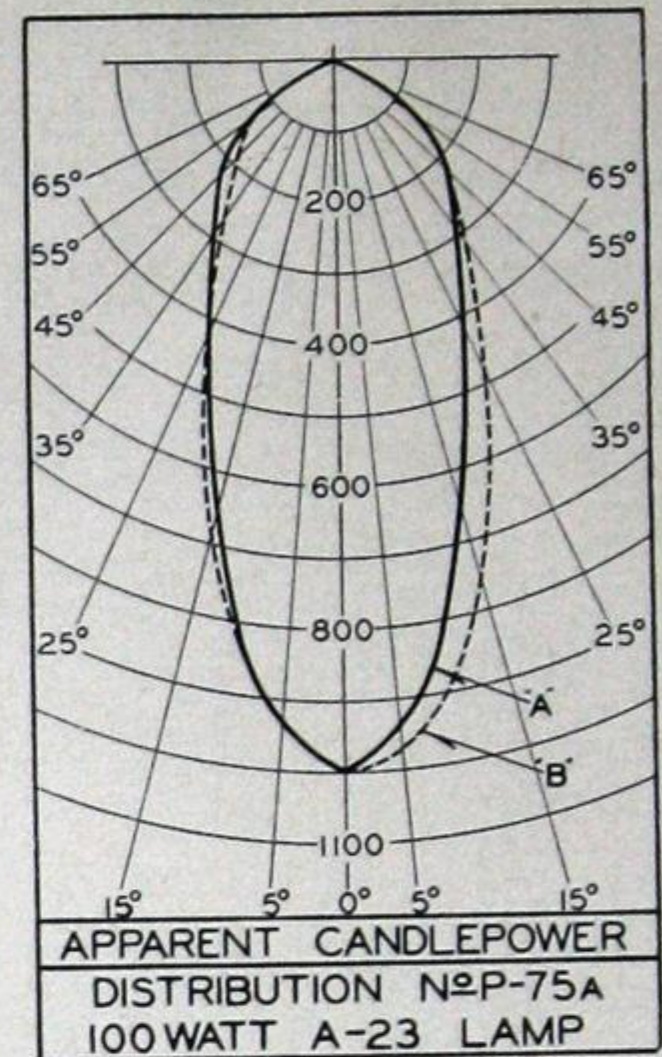
Conduit—No. 2-A or Conduit No. 63 with 2 1/4" Form 'S', 'SL' or 'L' holders.

Weight, Approx. 18 lbs.

Permaflector No. P-75-A



No. P-75-A



Standard Quantity—6.

Weight, Approx. 7 lbs.

Code: Permaflector

No. P-75-A.....PASEFA

Minimum Spacing—7 3/4" on centers.

Dimensions—Opening, 6 3/4 in. dia.; Height, 3 5/8 in.; Length, 7 in.

Lamp Size—100 watt A-23.

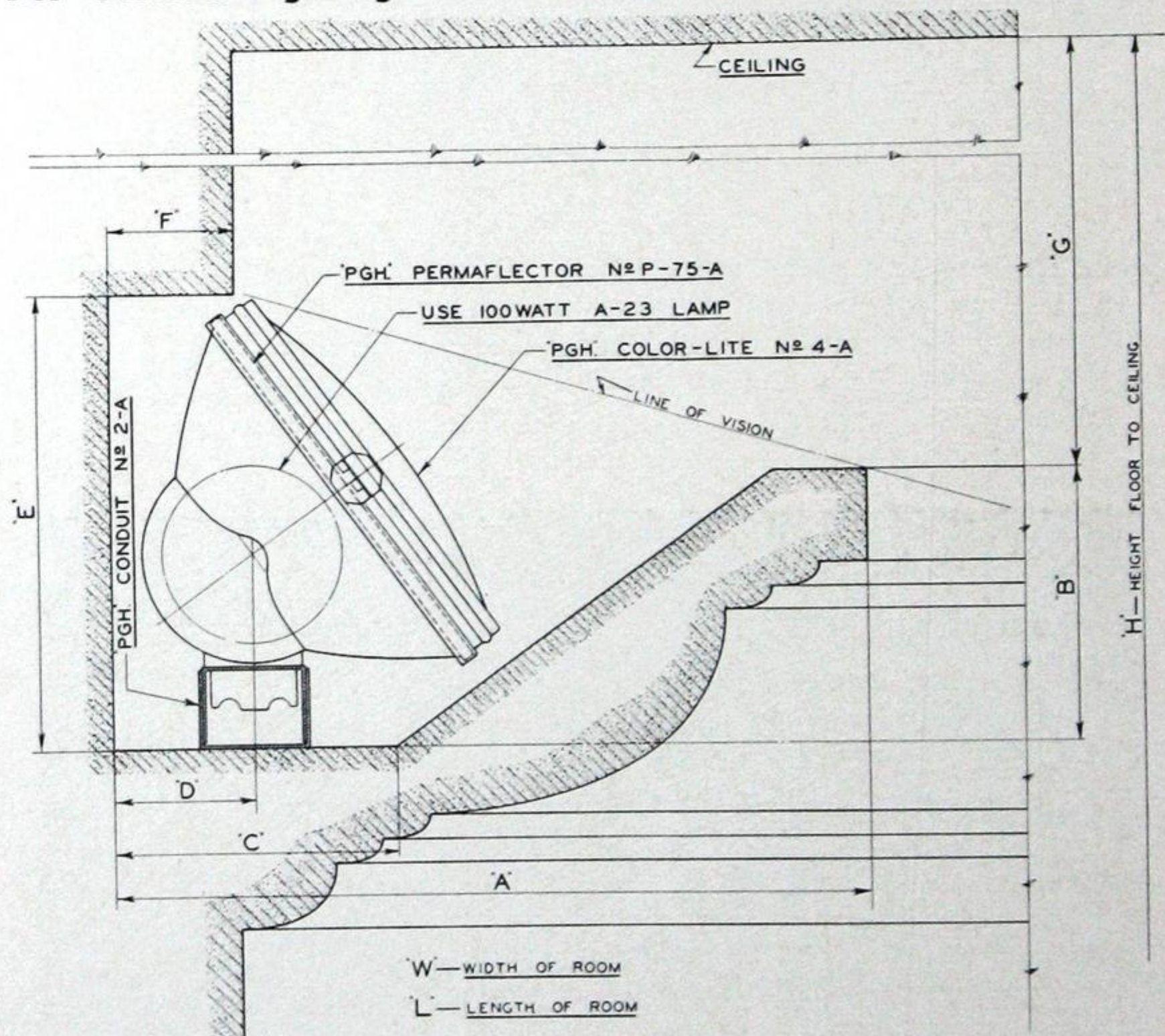
Holder—with brass shell socket, use 2 1/4" Form 'OB' holder; with grooved porcelain socket, use 2 1/4" Form 'OP' holder; with Conduit No. 2-A or Outlet Box Cover Assemblies No. B-2-3 1/4 or B-2-4, use 2 1/4" Form 'S' holder attached directly to socket.

May Be Installed with Outlet Box Cover Assembly—No. B-2-3 1/4 or B-2-4 with 2 1/4" Form 'S' holder.

May Be Mounted on:

Conduit—No. 2-A or No. 63 with 2 1/4" Form 'S' holders.

For Colored Lighting: Use Color-Lite—No. 4-A or No. 4-ADB.

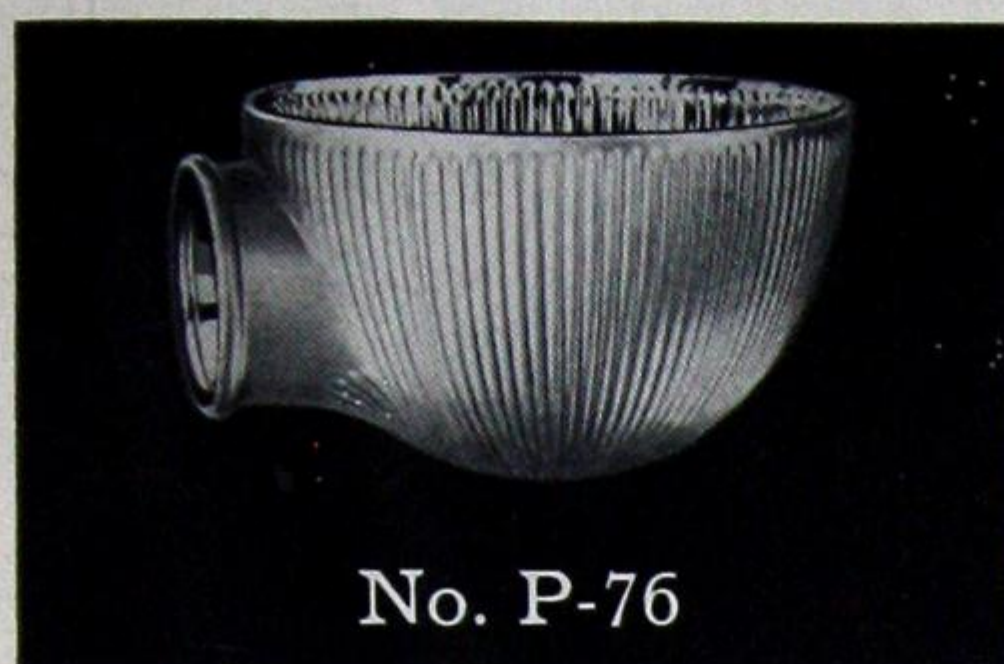


Cove Lighting Design

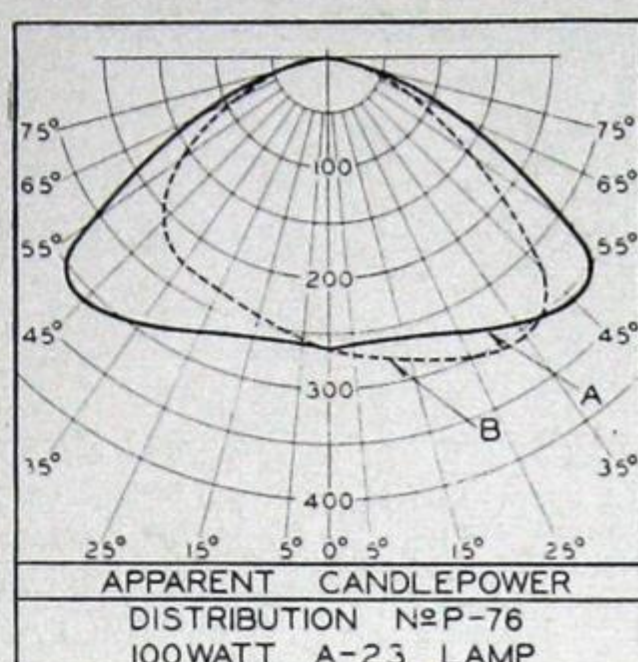
In the above sketch the essential dimensions to be supplied to our engineering department when requesting a recommendation are indicated by the letters, A, B, C, D, E, F, G, H, L, W. Although a flat ceiling is shown, it is to be understood that an arched ceiling may be treated in a similar manner, in fact can be more easily handled in most cases.

The Color-Lite No. 4 is employed, where changing colored illumination is desired. It is also used for white lighting (fitted with colorless, inside stippled glass roundel) acting as the means of keeping dust off the Permaflector P-75-A. Its use facilitates maintenance as it is quicker to clean a convex glass roundel than a concave reflector surface.

Permaflexor No. P-76



No. P-76



Standard Quantity—24.

Weight, Approx. 15 lbs.

Code: Permaflexor No. P-76.....PASESIX

Minimum Spacing—7½ inches on centers.

Dimensions—Opening, 4¾ in. dia.; Height, 3 in., Length, 5⅝ in.

Lamp Size—60 watt A-21. 75 watt A-21. 100 watt A-23.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 60 watt A-21 lamp; 2¼" Form 'HB' holder for 100 watt A-23 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 60 watt A-21 lamp; 2¼" Form 'HP' holder for 100 watt A-23 lamp; with Conduit No. 2-A, or Outlet Box Cover Assemblies No. B-2-¾ or B-2-4, use 2¼" Form 'S' holder for 60 watt A-21 lamp; 2¼" Form 'SL' holder for 75 watt A-21 lamp; 2¼" Form 'L' holder for 100 watt A-23 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-2-¾ or B-2-4 with 2¼" Form 'S', 'SL' or 'L' holders.

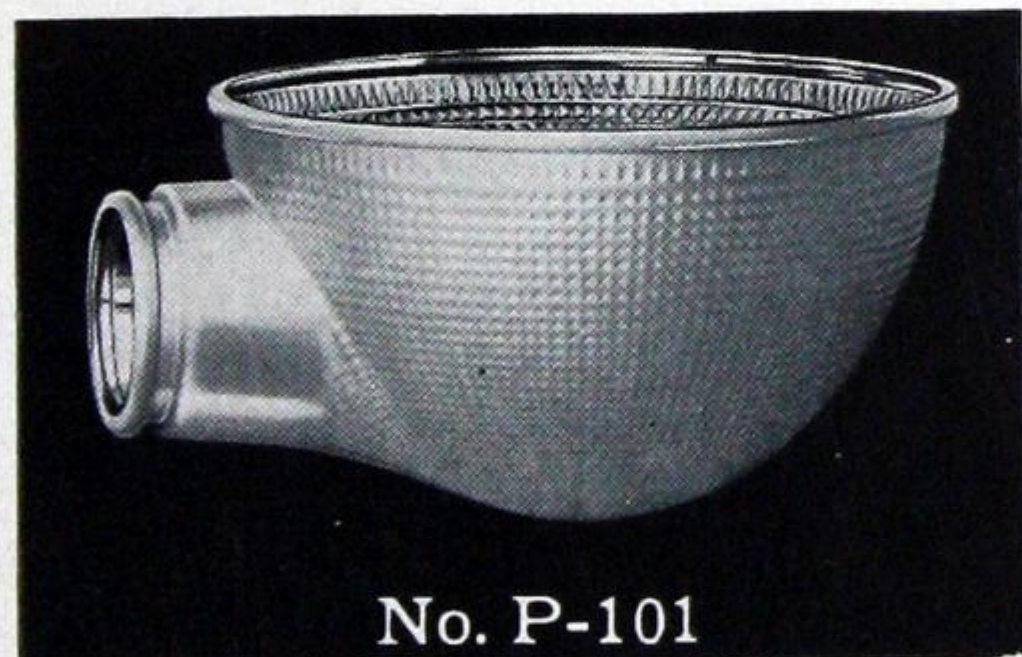
May Be Mounted on:

Conduit—No. 2-A or No. 63 with 2¼" Form 'S', 'SL', or 'L' holders.

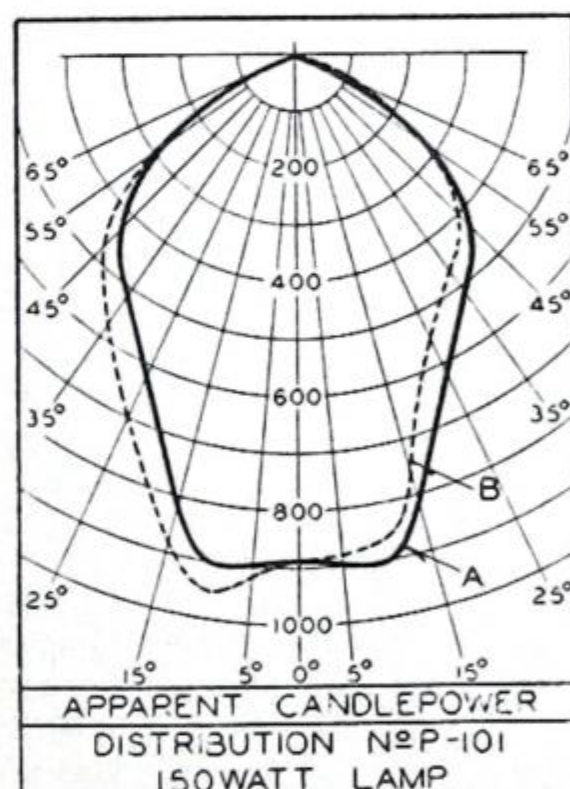
For Colored Lighting: Use

Color-Lite—No. 12-A or No. 12-ADB.

Permaflexor No. P-101



No. P-101



Standard Quantity—6.

Weight, Approx. 8 lbs.

Code: Permaflexor No. P-101.....PAHUNDONE

Minimum Spacing—9 inches on centers.

Dimensions—Opening, 6¾ in. dia.; Height, 3⅞ in.; Length, 7¾ in.

Lamp Size—150 watt A-25.

Holder—with brass shell socket, use 2¼" Form 'OB' holder; with grooved porcelain socket, use 2¼" Form 'OP' holder; with Conduit No. 2-A or Outlet Box Cover Assemblies No. B-2-¾ or B-2-4, use 2¼" Form 'S' holder attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-2-¾ or B-2-4 with 2¼" Form 'S' holder.

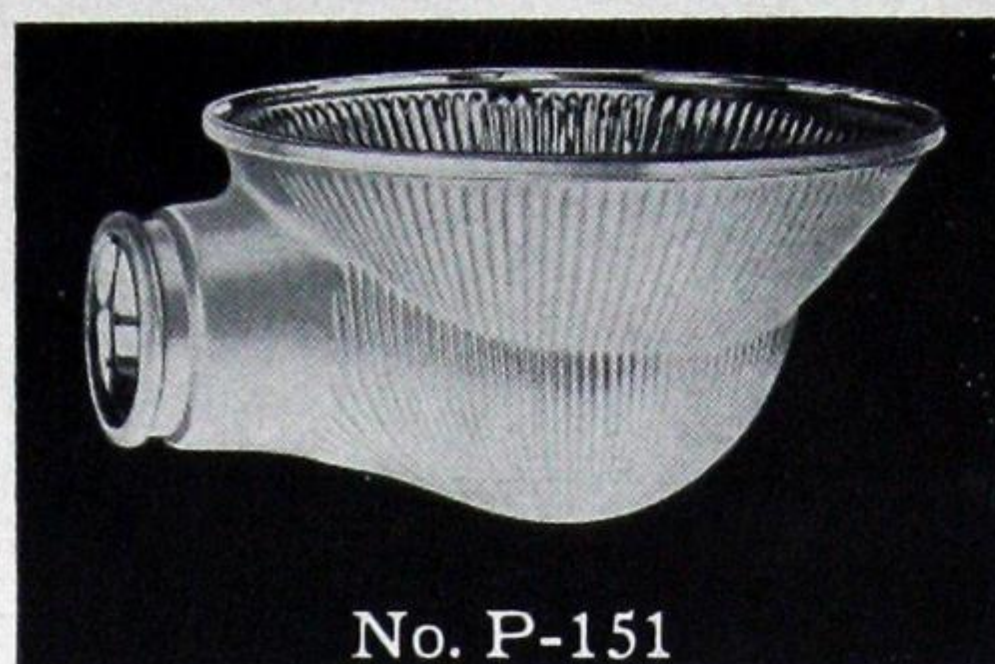
May Be Mounted on:

Conduit—No. 2-A or No. 63 with 2¼" Form 'S' holders.

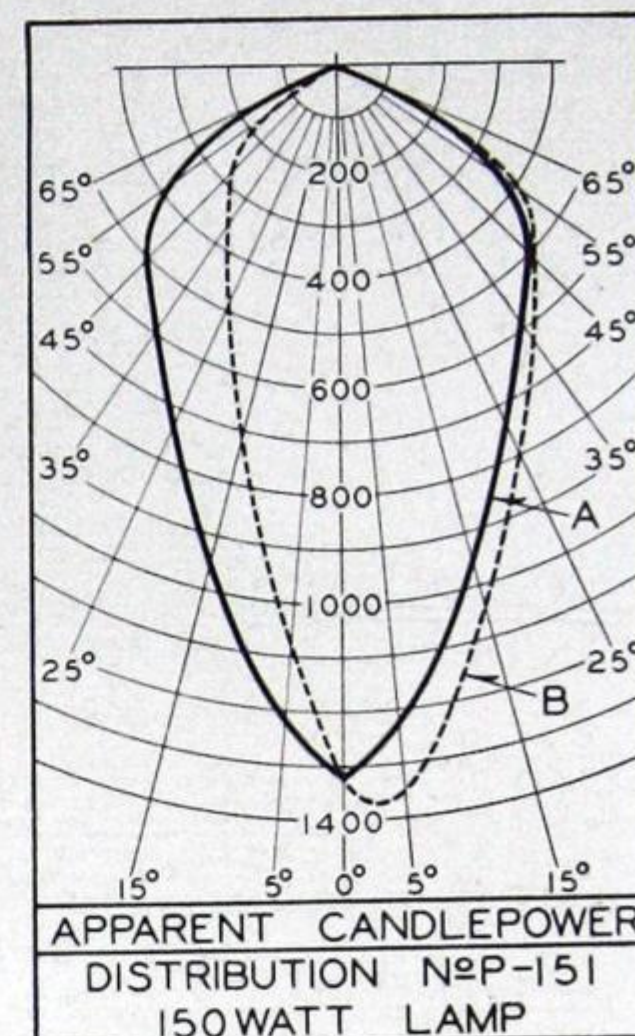
For Colored Lighting: Use

Color-Lite—No. 4-A or No. 4-ADB.

Permaflexor No. P-151



No. P-151



Standard Quantity—6.

Weight, Approx. 7 lbs.

Code: Permaflexor

No. P-151PEEHUNFONE

Minimum Spacing — 8¼ inches on centers.

Dimensions—Opening, 6¾ inches diameter; Height, 3⅞ inches; Length 7½ inches.

Lamp Size—150 watt A-25.

Holder—with brass shell socket, use 2¼" Form 'OB' holder; with grooved porcelain socket, use 2¼" Form 'OP' holder; with Conduit No. 2-A or Outlet Box Cover Assemblies No. B-2-¾ or B-2-4, use 2¼" Form 'S' holder attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-2-¾ or B-2-4 with 2¼" Form 'S' holder.

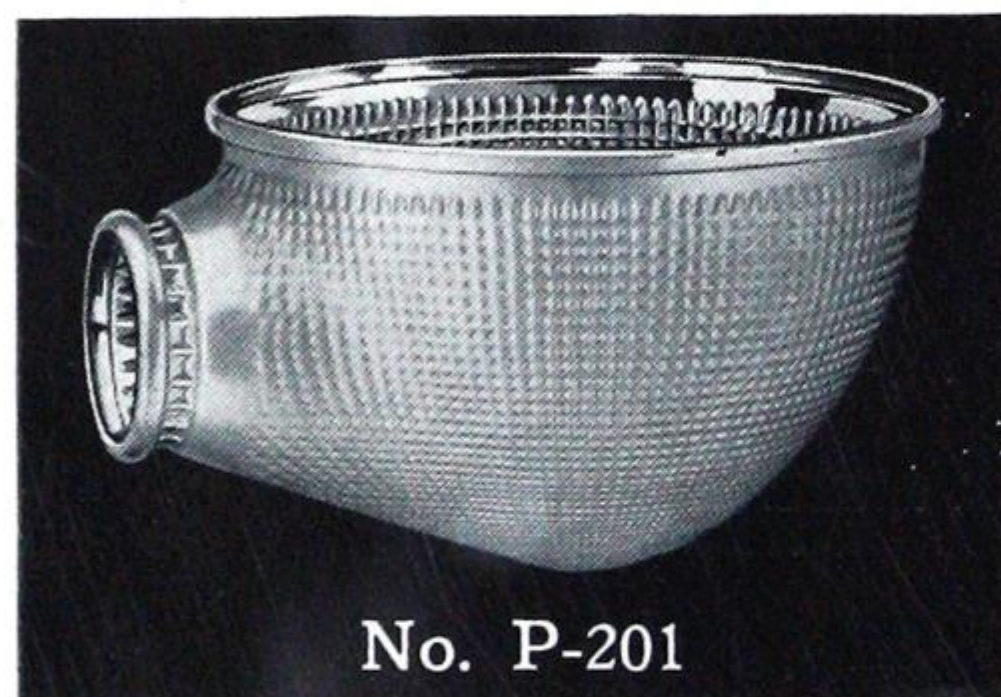
May Be Mounted on:

Conduit—No. 2-A or No. 63 with 2¼" Form 'S' holders.

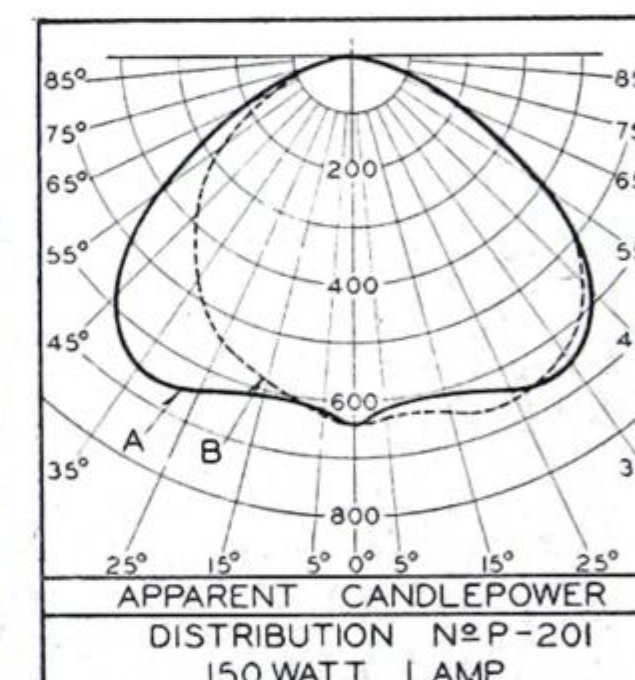
For Colored Lighting: Use

Color-Lite—No. 4-A or No. 4-ADB.

Permaflexor No. P-201



No. P-201



Standard Quantity—6.

Weight, Approx. 9 lbs.

Code: Permaflexor No. P-201.....PATUOWON

Minimum Spacing—9½ inches on centers.

Dimensions—Opening, 6¾ inches diameter; Height, 4⅞ inches; Length, 7¾ inches.

Lamp Size—150 watt A-25. 200 watt PS-30.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 150 watt A-25 lamp; 2¼" Form 'HB' holder for 200 watt PS-30 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 150 watt A-25 lamp; 2¼" Form 'HP' holder for 200 watt PS-30 lamp; with Outlet Box Cover Assemblies No. B-2-¾ or B-2-4, use 2¼" Form 'S' holder for 150 watt A-25 lamp; 2¼" Form 'L' holder for 200 watt PS-30 lamp, attached directly to socket.

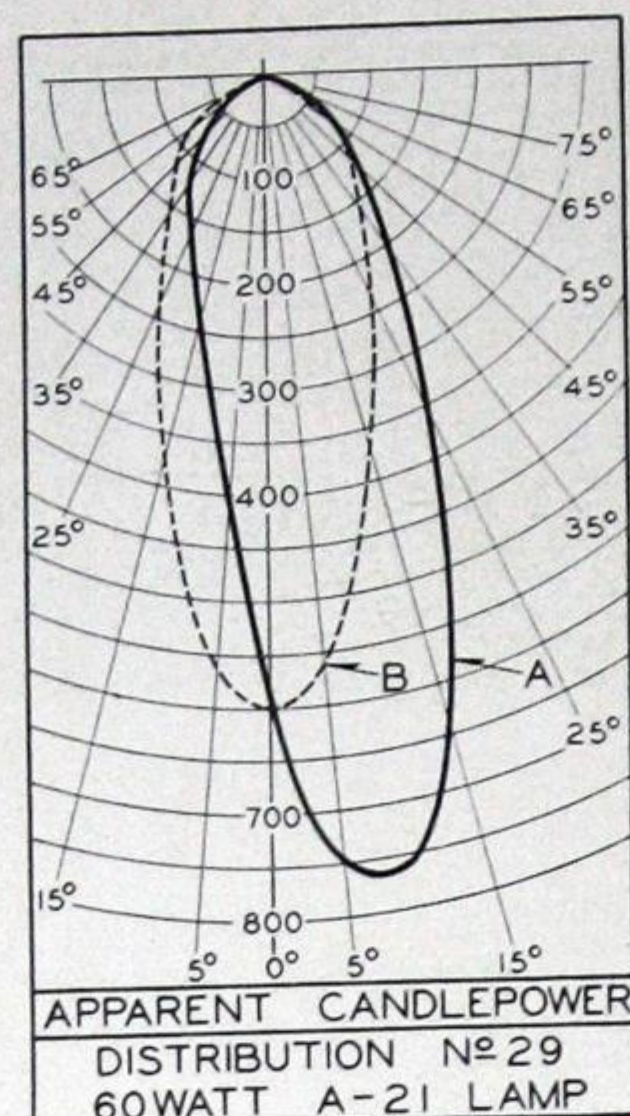
May Be Installed With:

Outlet Box Cover Assembly—No. B-2-¾ or B-2-4 with 2¼" Form 'S' or 'L' holders.

For Colored Lighting: Use

Color-Lite—No. 4-A or No. 4-ADB.

Permaflector No. 29



Standard Quantity—10.
Weight, Approx. 8½ lbs.
Code: Permaflector
 No. 29

TUNINE

Application—Primarily for tall and shallow wall display cases. Concentrating asymmetric distribution; with maximum candlepower at 15°. Also useful for small show windows, bank cages, stock shelves, bookcases, for cove lighting, etc.

Dimensions—Openings 6¾ inches diameter; Height, 3⅞ inches.

Lamp Size—25 watt A-19. 40 watt A-19. 50-60 watt A-21.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 25 watt A-19 lamp; 2¼" Form 'HB' holder for 50-60 watt A-21 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 25 watt A-19 lamp; 2¼" Form 'HP' holder for 50-60 watt A-21 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use 2¼" Form 'S' holder for 25 watt A-19 lamp; 2¼" Form 'SL' holder for 40 watt A-19 lamp; 2¼" Form 'L' holder for 50-60 watt A-21 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S', 'SL' or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

For Colored Lighting: Use

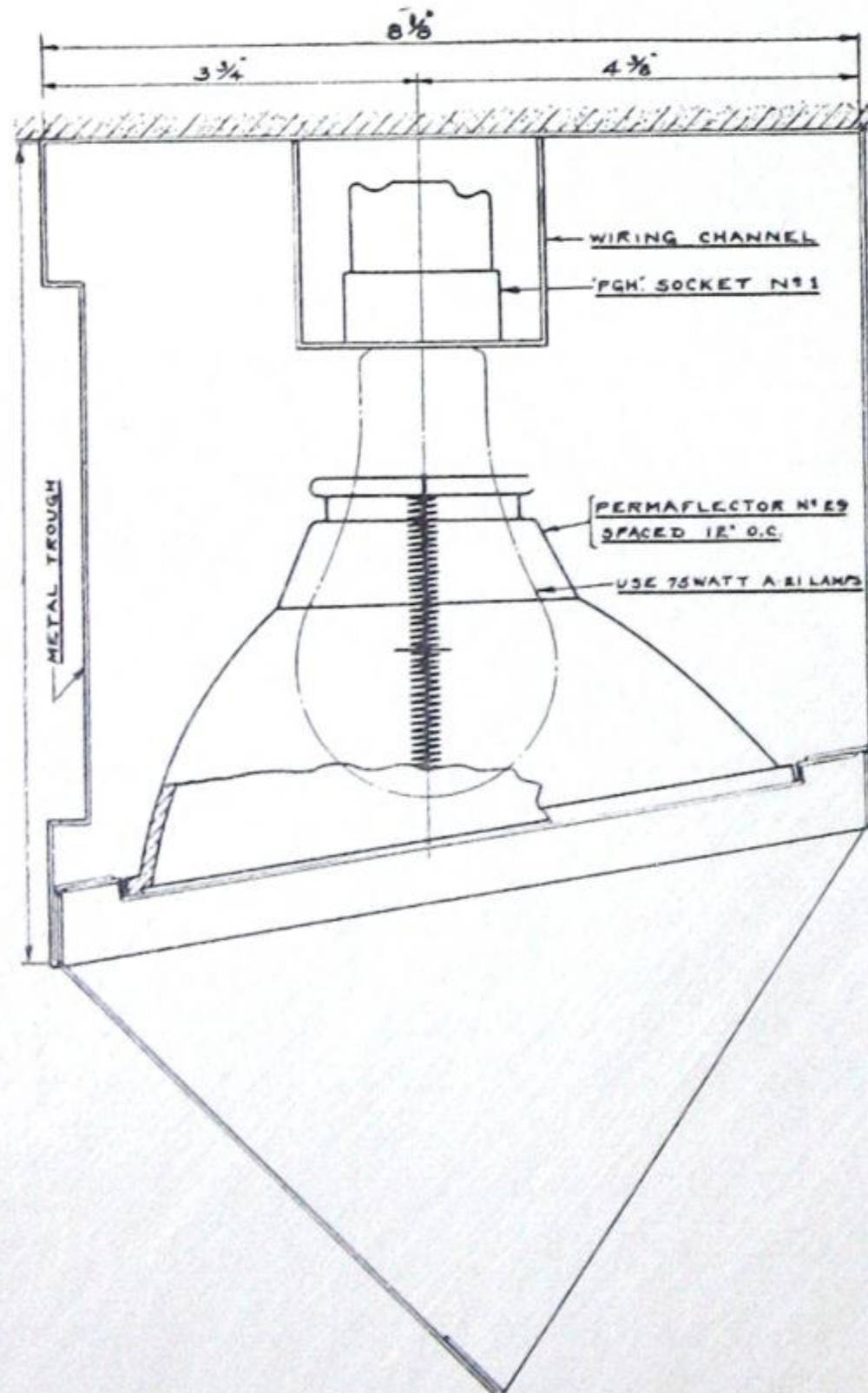
Color-Lite—No. 4-A or No. 4-ADB.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 77 with Flush Mounting Ring No. 73.

No. 4 with Hinged Ceiling Roundel No. 4 or Hinged Concentric Louver No. 4.



Permaflector No. 29 Built-In Continuous Metal Trough.

When Installed in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 73.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 4.

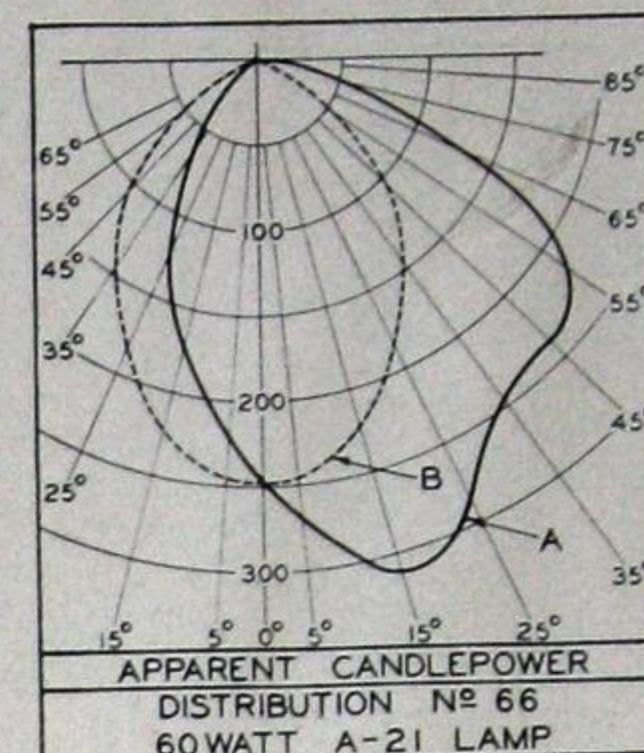
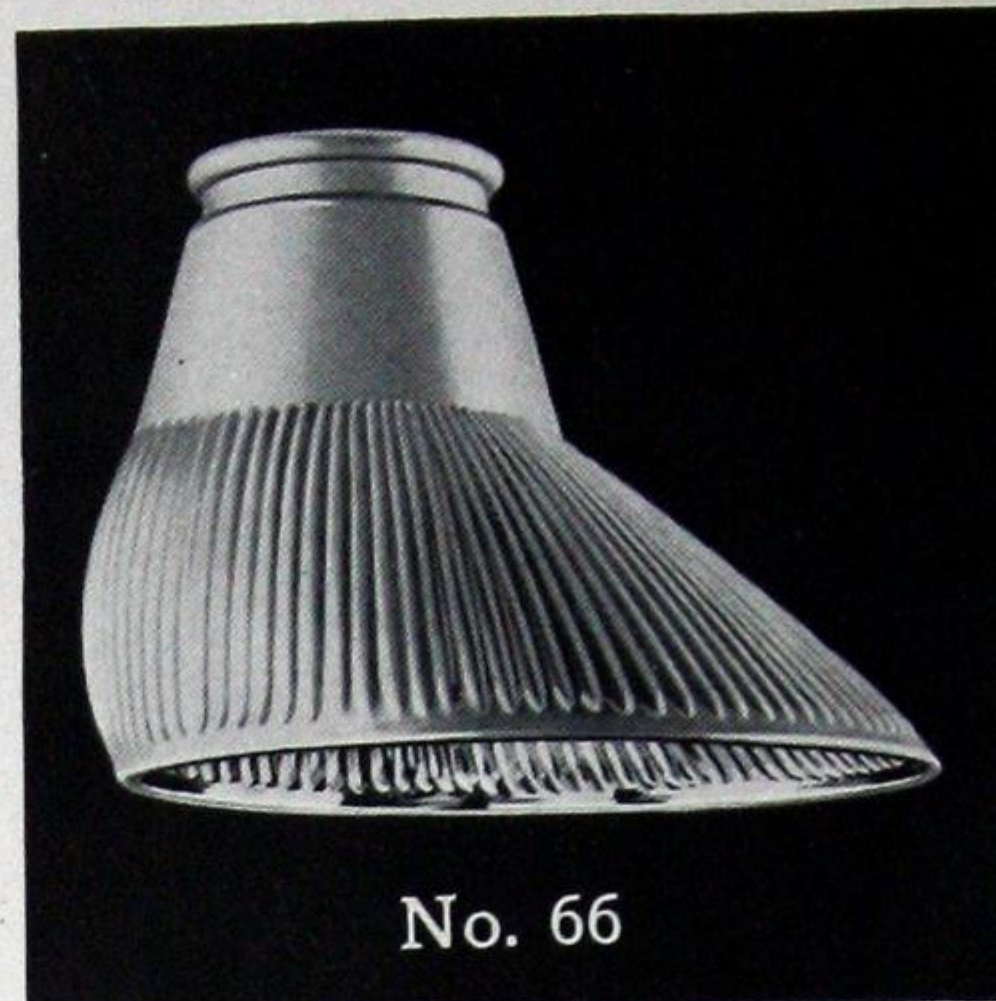
For Louvered Lighting: Use

Parallel Louver—No. EM-77 for External Mounting. No. FM-77 for use with Flush Mounting Ring No. 73.

Concentric Louver—No. EM-77-C for External Mounting. No. FM-77-C for use with Flush Mounting Ring No. 73.

Hinged Concentric Louver—No. 4.

Permaflector No. 66



Standard Quantity—16.

Weight, Approx. 13½ lbs.

Code: Permaflector No. 66

SIXTEESIX

Application—For indirect wall urn and cove lighting. Also a case lighting reflector which may be recessed in a flat ceiling and light up the full height of background. Especially good for lighting walls of a gasoline service station from reflectors recessed in overhanging cornice.

Dimensions—Opening, 5½ inches diameter; Height 4¼ inches.

Lamp Size—50-60 watt A-21.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 50-60 watt A-21 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 50-60 watt A-21 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use 2¼" Form 'S' holder for 50-60 watt A-21 lamp.

May Be Installed with:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S' holder.

May Be Mounted on:

Conduit—No. 1, No. 61, or Knockout Strip No. KO-1 with 2¼" Form 'S' holder. No. 12 or No. 62 with 2¼" Form 'OP' holder.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 28 with Flush Mounting Ring No. 28.

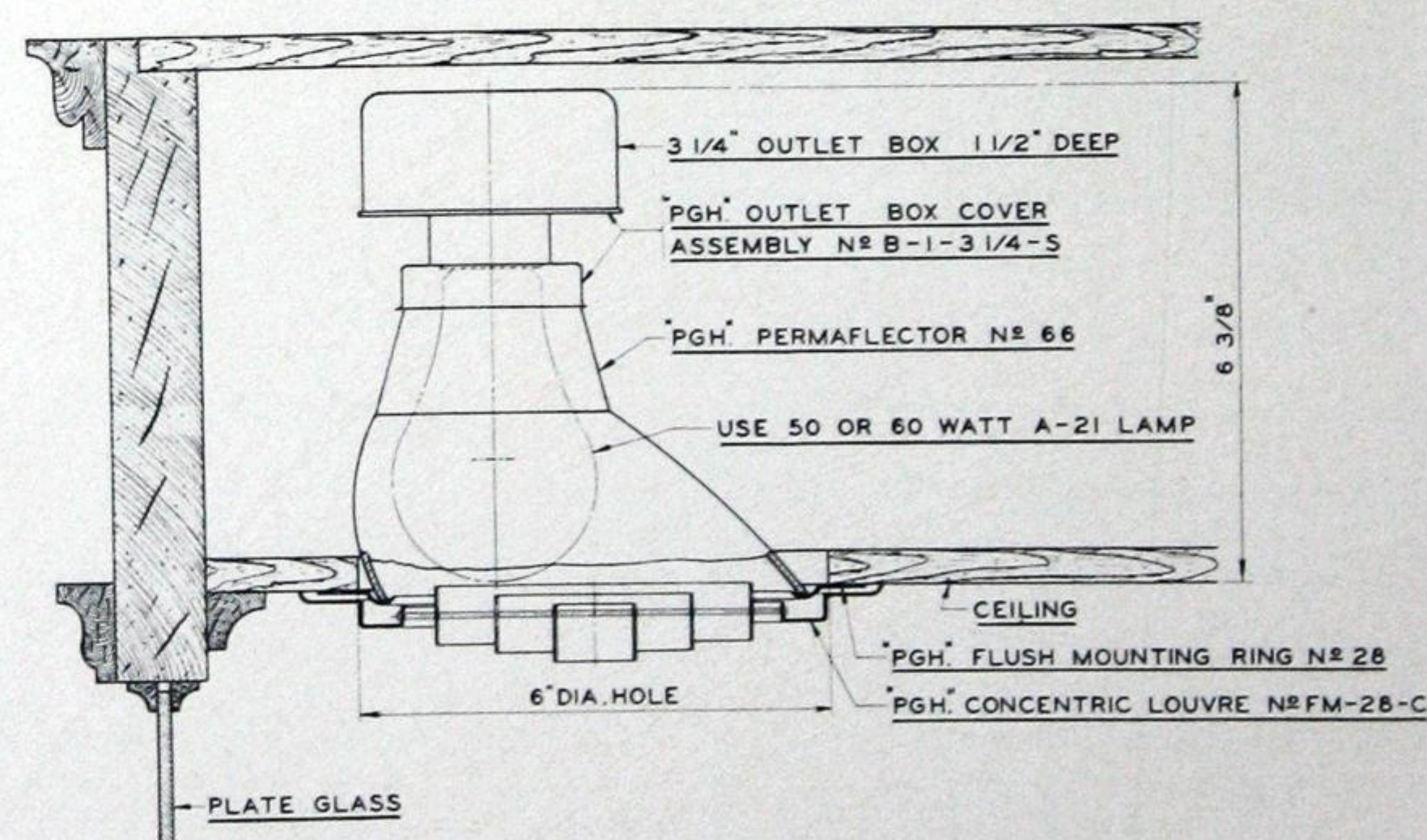
When Installed in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 28.

For Louvered Lighting: Use

Concentric Louver—

No. FM-28-C for use with Flush Mounting Ring No. 28.

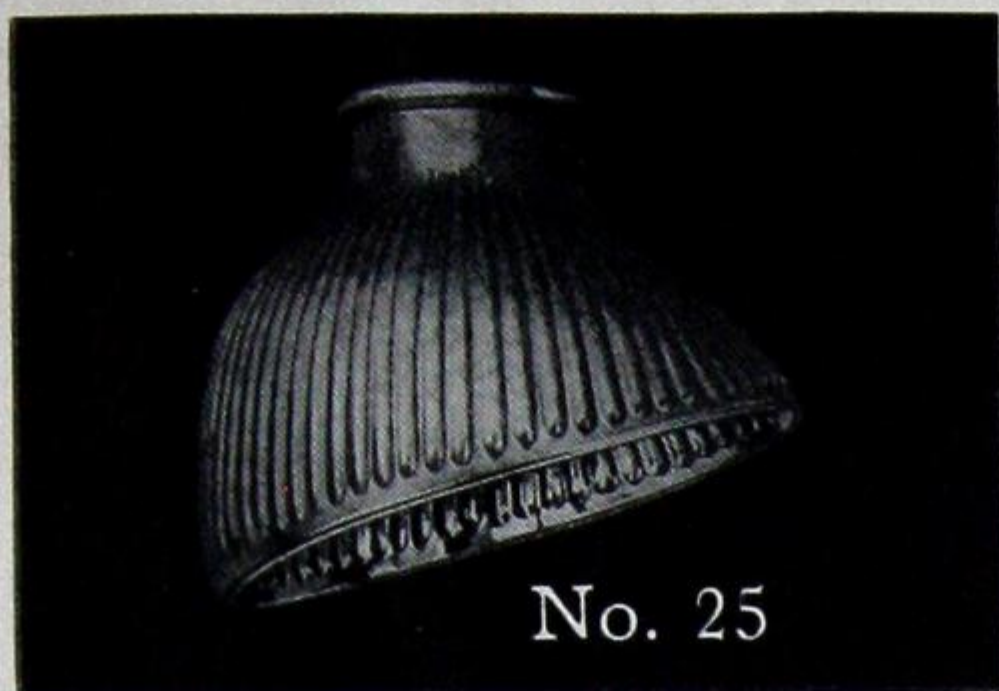


No. 66, Recessed in Ceiling and Equipped with Louver.

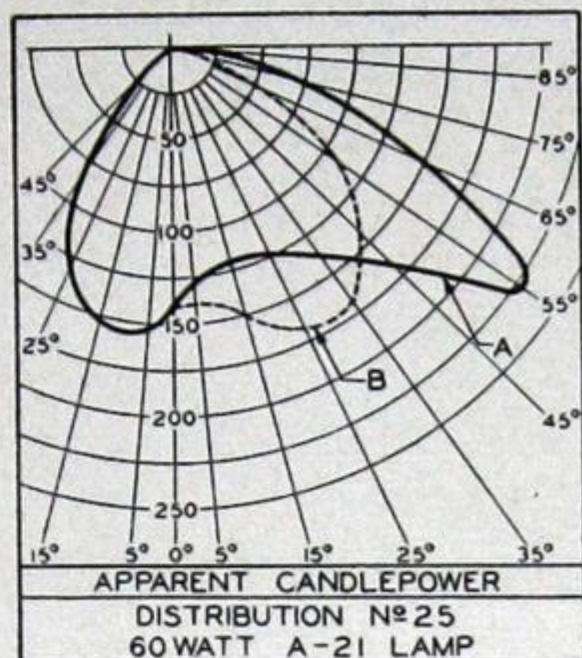
Store Display Lighting

To a considerable extent merchants are building displays around the bases of columns. Some seven feet above the floor a canopy of circular or polygonal shape containing the lighting equipment set flush is employed.

Permaflector No. 25



No. 25



Standard Quantity—20.

Weight, Approx. 12 lbs.

Code: Permaflector No. 25.....**TUFIE**

Application—Very useful for cove lighting; light distribution throws out a maximum at 55° below the zenith, which permits placing cove close to ceiling.

Dimensions—Height, 4¼ inches; Width, 4¼ inches; Front to back, 4⅞ inches; Center to back, 2⅞ inches.

Lamp Size—25 watt A-19. 40 watt A-19. 50-60 watt A-21.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 25 watt A-19 lamp; 2¼" Form 'HB' holder for 50-60 watt A-21 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 25 watt A-19 lamp; 2¼" Form 'HP' holder for 50-60 watt A-21 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use 2¼" Form 'S' holder for 25 watt A-19 lamp; 2¼" Form 'SL' holder for 40 watt A-19 lamp; 2¼" Form 'L' holder for 50-60 watt A-21 lamp, attached directly to socket.

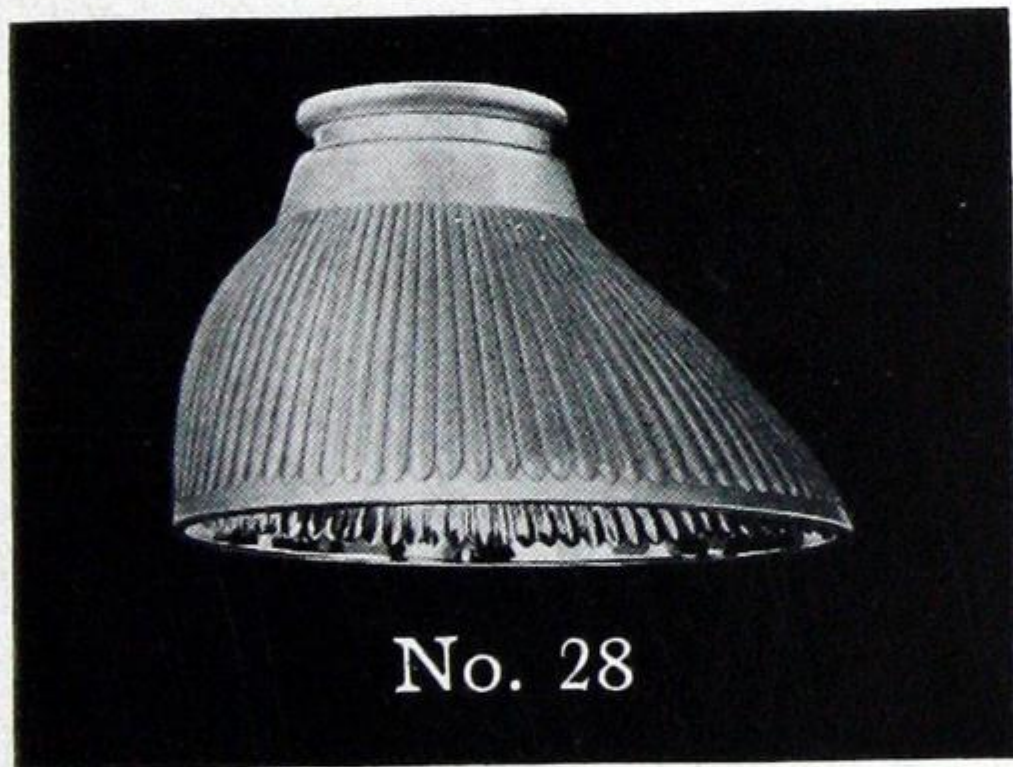
May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S', 'SL', or 'L' holders.

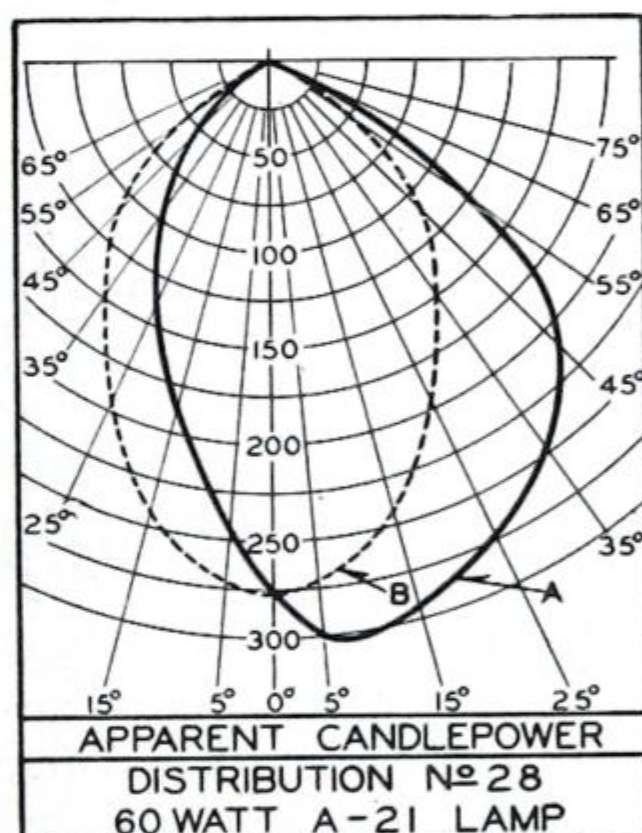
May Be Mounted On:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

Permaflector No. 28



No. 28



Standard Quantity—20.

Weight, Approx. 16½ lbs.

Code: Permaflector No. 28.....**TUATE**

Application—For tall and shallow wall display cases. It is concentrating asymmetric in distribution; maximum candlepower occurs at 10°. Also useful for lighting small show windows, bank cages, book cases, stock shelves, walls of gasoline service stations.

Dimensions—Height, 3⅞ inches; Opening, 5½ inches diameter; Center to back, 2⅜ inches.

Lamp Size—25 watt A-19. 40 watt A-19. 50-60 watt A-21.

Holder—Same as for No. 25 above.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S', 'SL', or 'L' holders.

May Be Mounted On:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

When Recessed in Plaster Ceiling: Use

Plaster Ring—No. 28 with Flush Mounting Ring No. 28.

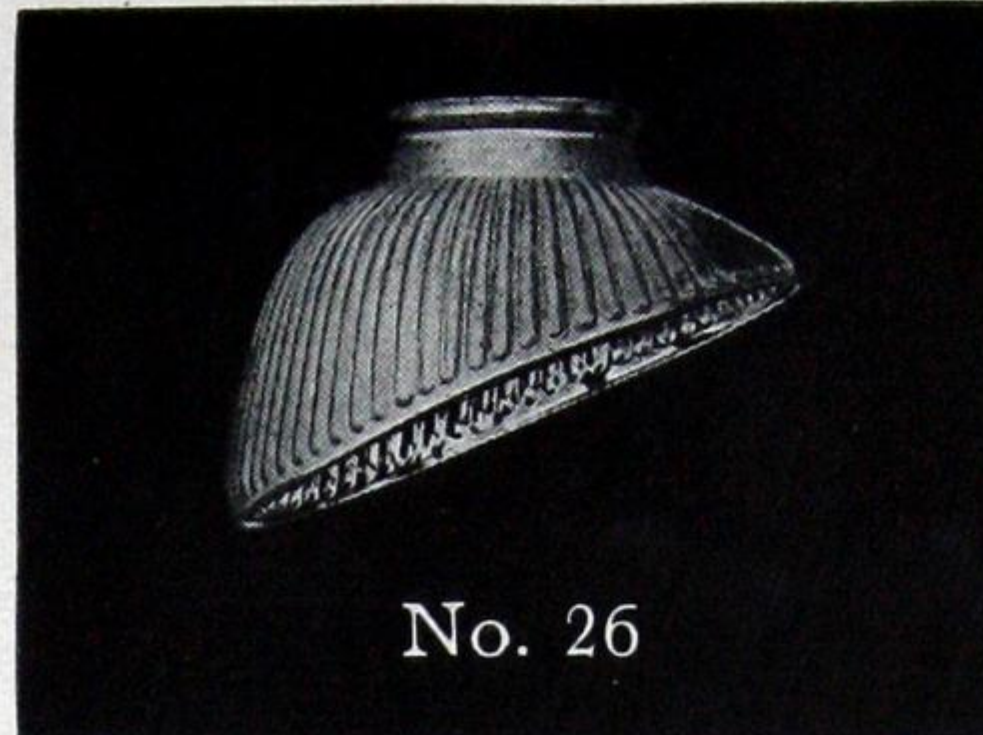
When Installed in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 28.

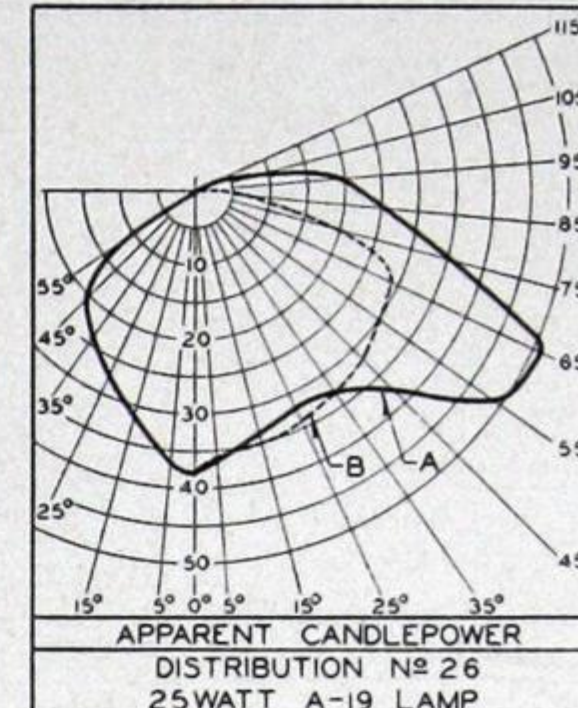
For Louvered Lighting: Use **Concentric Louver**—

No. FM-28-C for use with Flush Mounting Ring No. 28.

Permaflector No. 26



No. 26



Standard Quantity—24.

Weight, Approx. 13 lbs.

Code: Permaflector No. 26.....**TOOSIX**

Application—A show case reflector. Also, for small coves, as in residences.

Dimensions—Height, 3½ inches; Width, 4⅞ inches; Front to back, 4⅞ inches; Center to back, 2⅞ inches.

Lamp Size—25 watt A-19. 40 watt A-19. 50-60 watt A-21.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 25 watt A-19 lamp; 2¼" Form 'HB' holder for 50-60 watt A-21 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 25 watt A-19 lamp; 2¼" Form 'HP' holder for 50-60 watt A-21 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use 2¼" Form 'S' holder for 25 watt A-19 lamp; 2¼" Form 'SL' holder for 40 watt A-19 lamp; 2¼" Form 'L' holder for 50-60 watt A-21 lamp, attached directly to socket.

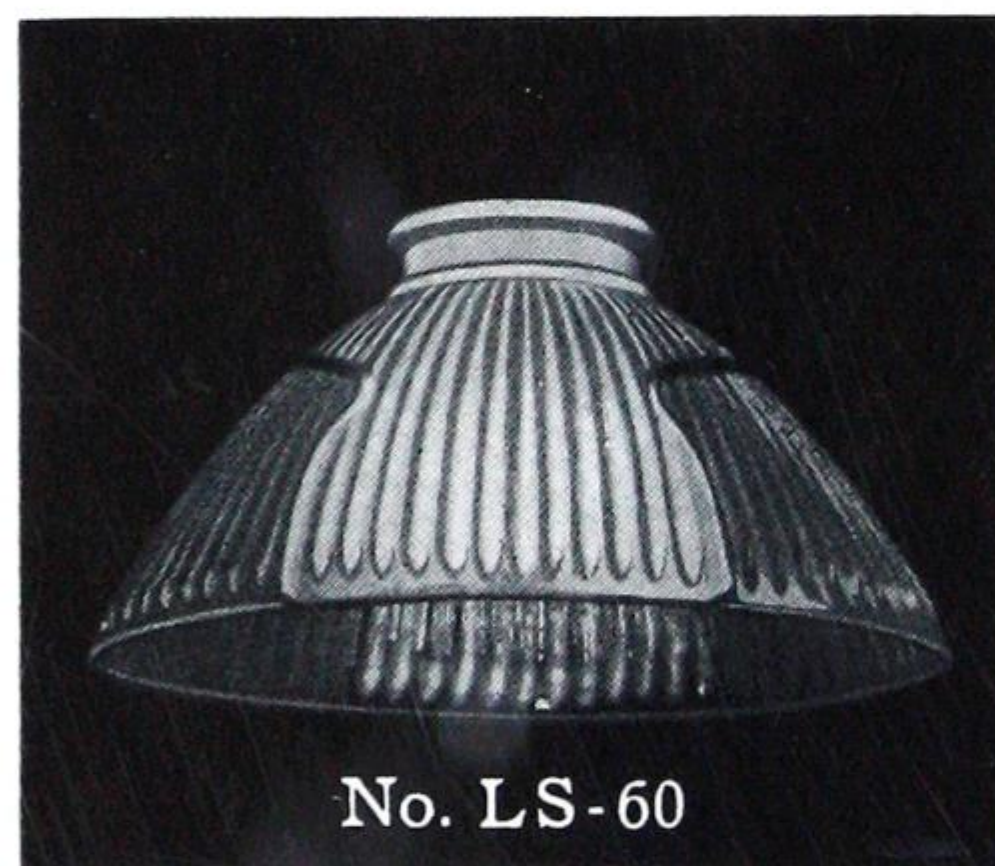
May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S', 'SL', or 'L' holders.

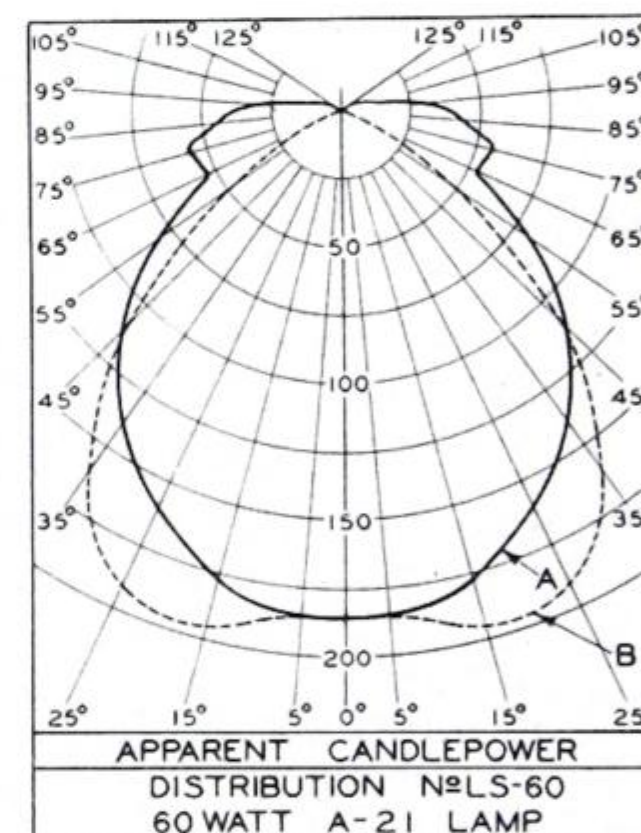
May Be Mounted On:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

Permaflector No. LS-60



No. LS-60



Standard Quantity—10.

Weight, Approx. 8 lbs.

Code: Permaflector No. LS-60.....**ELSIXTY**

Application—For illuminating book stacks of a public library. The reflector opening is elliptical in shape. The long diameter of the ellipse runs crosswise of the aisles between the stacks. The diffusing sides transmit light to topmost books. The silvered portion of reflector conceals lamp from view longitudinally of the aisle.

Spacing Recommended—6 feet on centers, maximum.

Dimensions—Height, 3⅞ inches; Long Diameter, 7¼ inches; Short Diameter, 5⅝ inches.

Lamp Size—

25 watt A-19. 40 watt A-19. 50-60 watt A-21.

holder for 40 watt A-19 lamp; 2¼" Form 'L' holder for 50-60 watt A-21 lamp, attached directly to socket.

Holder—Same as for No. 26 above.

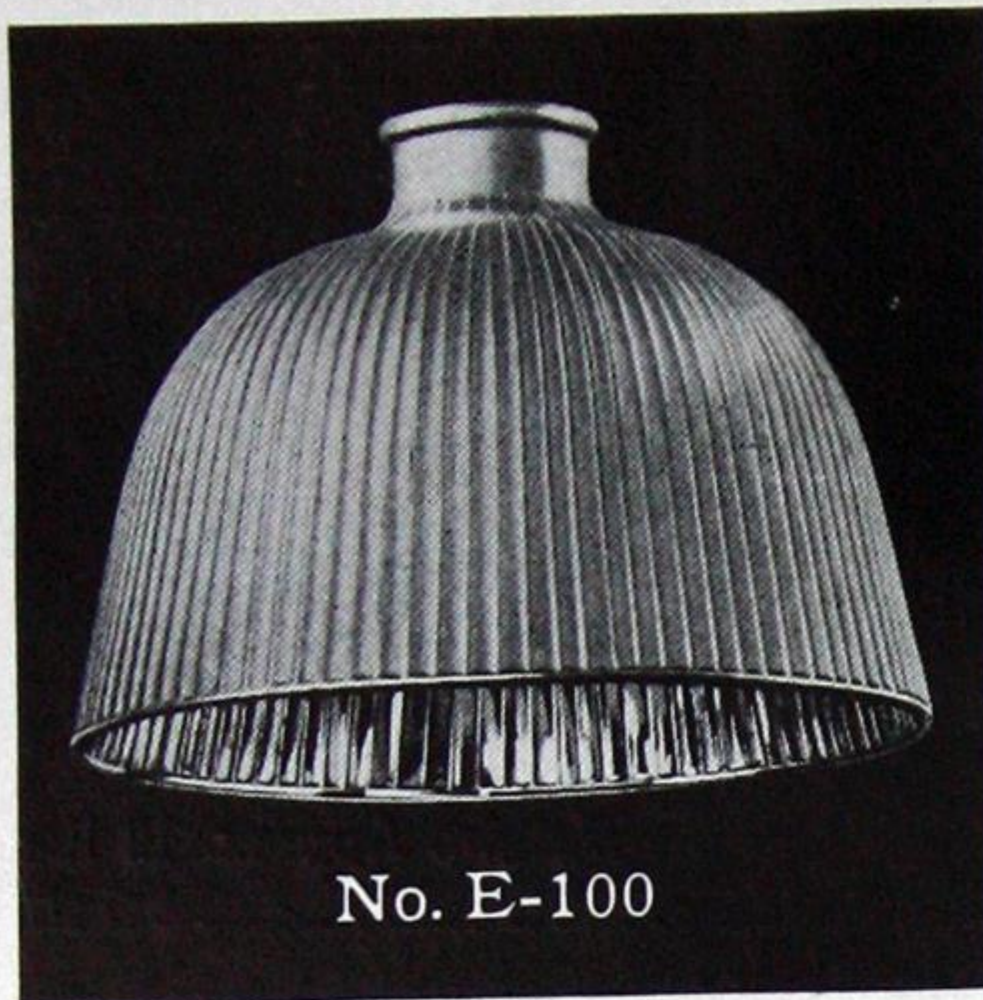
May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S', 'SL', or 'L' holders.

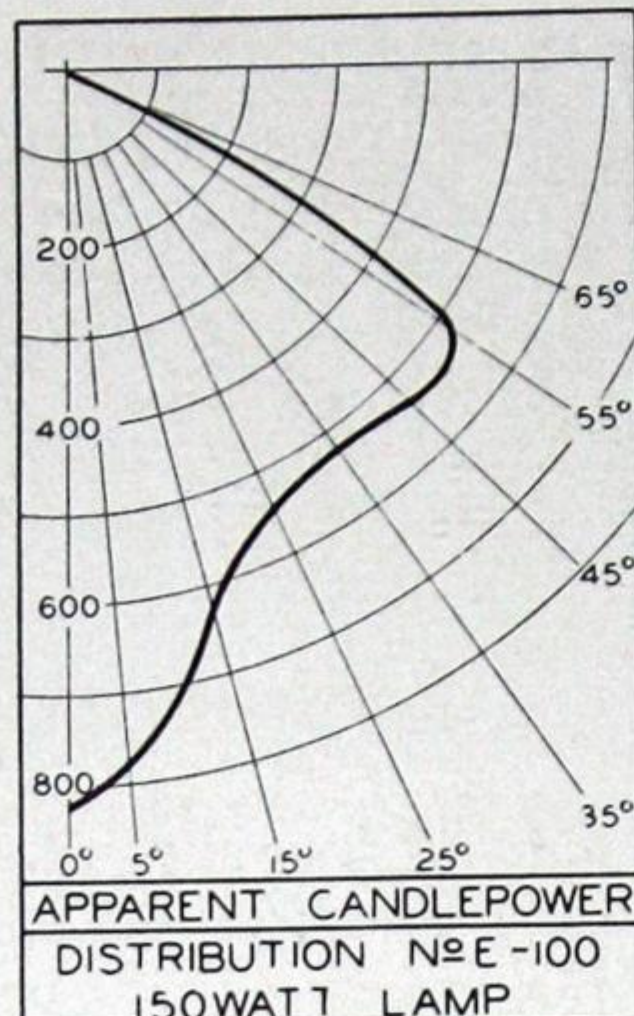
May Be Mounted On:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

Permaflector No. E-100



No. E-100



Standard Quantity—7.

Code: Permaflector No. E-100.....

Application—A broadly distributing reflector for direct lighting service. May be used exposed in factories or recessed as in gymnasiums, below mezzanine floors and other locations with low head room.

Bottom Opening Circular—Diameter, 8½ inches.

Lamp Size—100 watt A-23. 150 watt A-25. 200 watt PS-30.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 100 watt A-23 lamp; 2¼" Form 'HB' holder for 150 watt A-25 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 100 watt A-23 lamp; 2¼" Form 'HP' holder for 150 watt A-25 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use 2¼" Form 'S' holder for 100 watt A-23 lamp; 2¼" Form 'L' holder for 150 watt A-25 lamp; 2¼" Form 'LC' holder for 200 watt PS-30 lamp attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S', 'L', or 'LC' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S', 'L', or 'LC' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

For Colored Lighting: Use

Color-Lite—No. 5, No. 6, or No. 6-DB for external Mounting. No. 21 or No. 21-DB for use with Flush Mounting Ring No. 55.

When Recessed in Plaster Ceiling: Use **Plaster Ring**—No. 55 with Flush Mounting Ring No. 55. No. 1-A with Hinged Ceiling Roundel No. 1-A or Hinged Concentric Louver No. 1-A.

When Installed Flush in Ceiling (Not Plastered): Use **Flush Mounting Ring**—No. 55.

When Recessed in Ceiling and Concealed: Use **Hinged Ceiling Roundel**—No. 1-A.

For Louvered Lighting: Use

Parallel Louver—

No. EM-55 for External Mounting.

No. FM-55 or use with Flush Mounting Ring No. 55.

Egg Crate Louver—

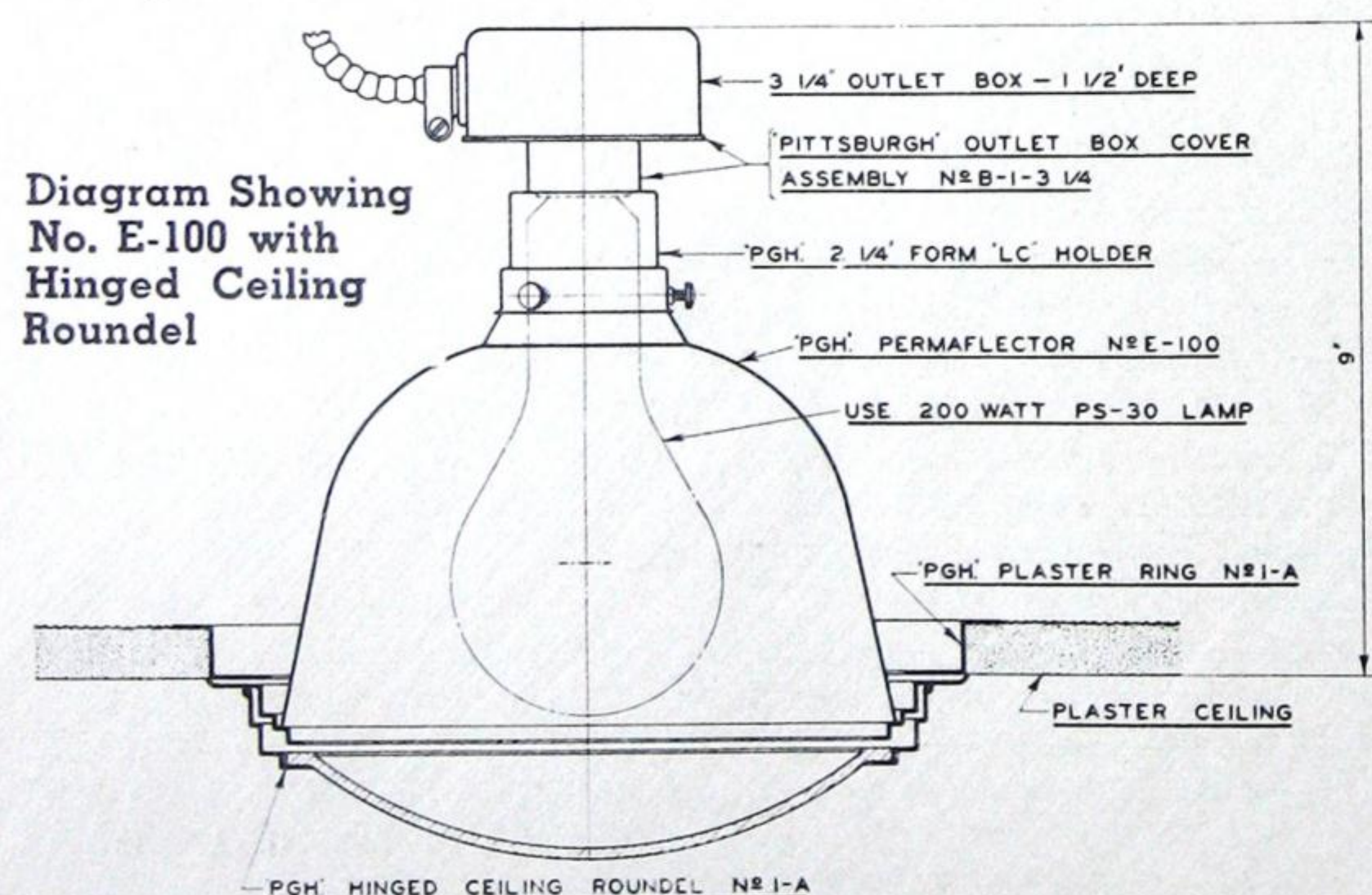
No. FEC-100 for use with Flush Mounting Ring No. 55.

Concentric Louver—

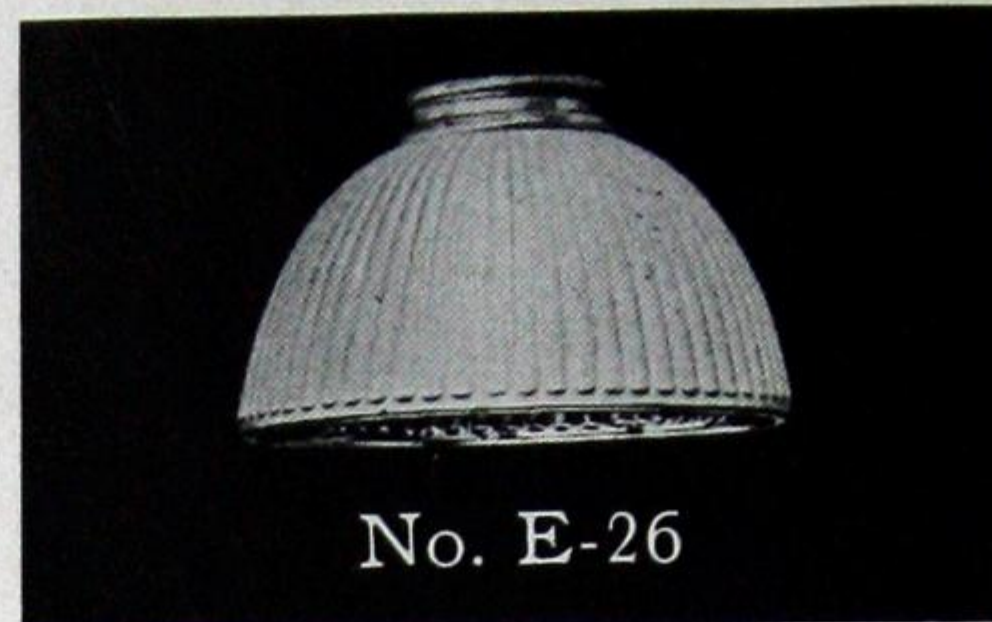
No. EM-55-C for External Mounting.

No. FM-55-C for use with Flush Mounting Ring No. 55.

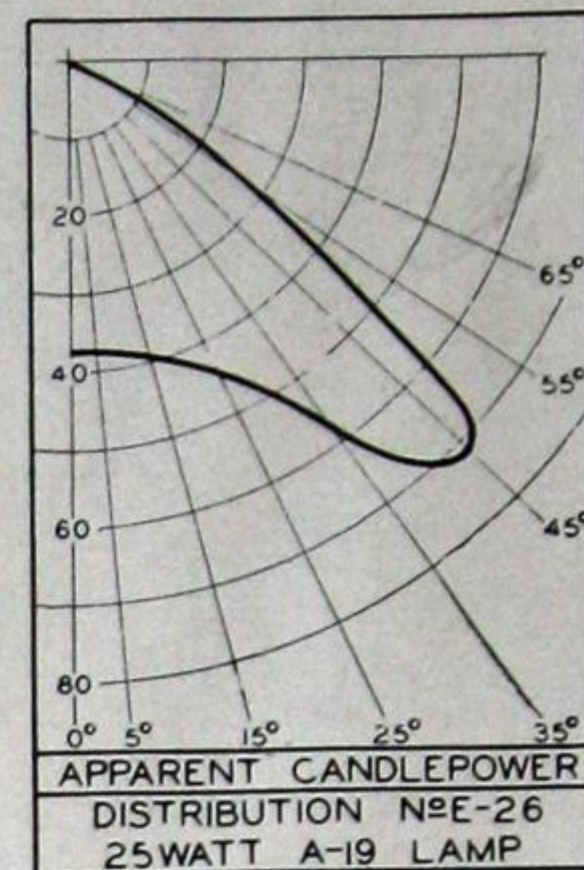
Hinged Concentric Louver—No. 1-A.



Permaflector No. E-26



No. E-26



Standard Quantity—20.

Weight, Approx. 14 lbs.

Code: Permaflector

No. E-26 **ETUSIX**

Application—A semi-distributing type for local lighting purposes.

Dimensions—Opening, 5⅞ inches diameter; Height, 3⅞ inches.

Lamp Size—25 watt A-19. 50-60 watt A-21.

Holder—with brass shell socket, use 2¼" Form 'OB' holder for 25 watt A-19 lamp; 2¼" Form 'HB' holder for 50-60 watt A-21 lamp; with grooved porcelain socket, use 2¼" Form 'OP' holder for 25 watt A-19 lamp; 2¼" Form 'HP' holder for 50-60 watt A-21 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3¼ or B-1-4, use 2¼" Form 'S' holder for 25 watt A-19 lamp; 2¼" Form 'L' holder for 50-60 watt A-21 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S' or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S' or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

When Recessed in Plaster Ceiling: Use

Plaster Ring—No. 28 with Flush Mounting Ring No. 28.

When Installed Flush in Ceiling (Not Plastered): Use

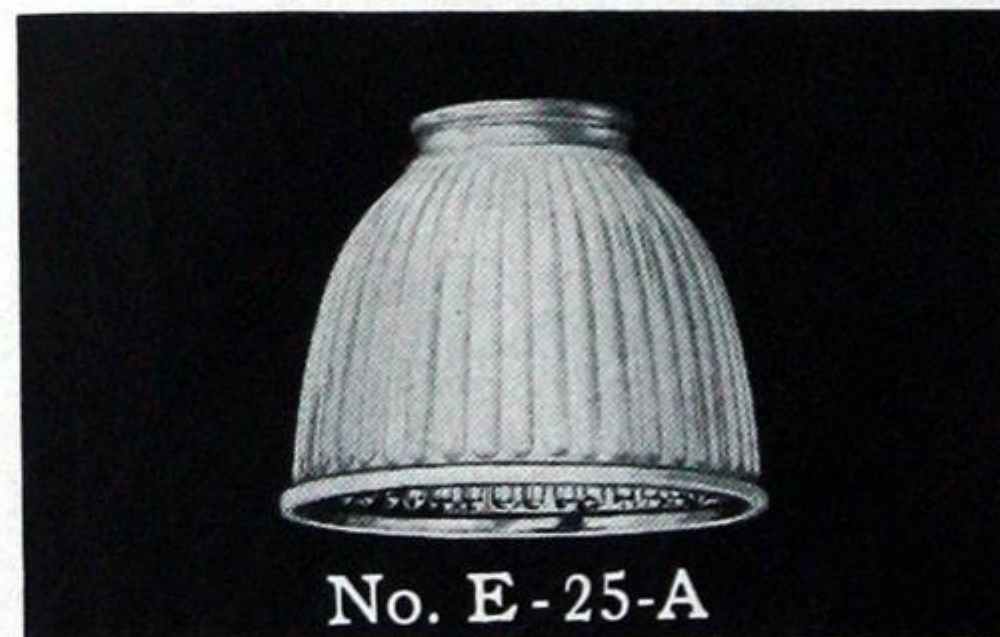
Flush Mounting Ring—No. 28.

For Louvered Lighting: Use

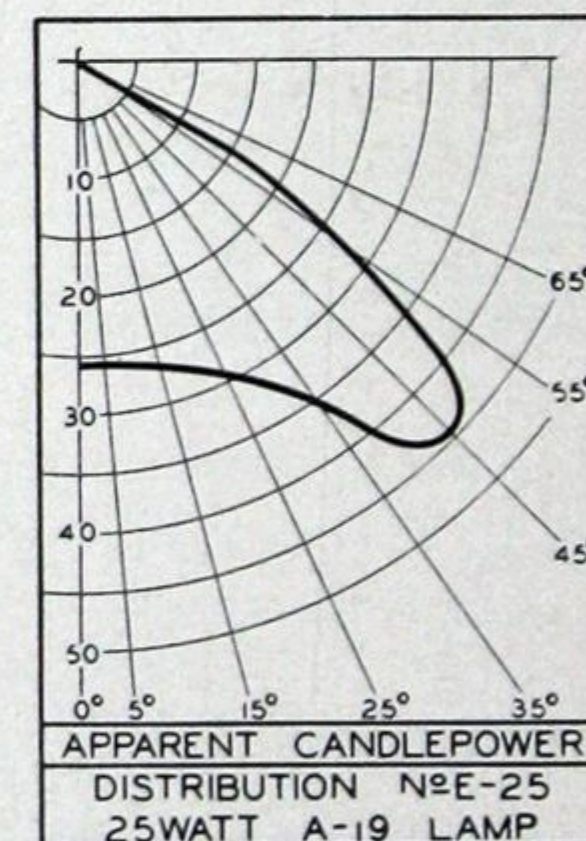
Concentric Louver—

No. FM-28-C for use with Flush Mounting Ring No. 28.

Permaflector No. E-25-A



No. E-25-A



Standard Quantity—20.

Weight, Approx. 12 lbs.

Code: Permaflector

No. E-25-A **ETUFIVE**

Application—Distributing type for local lighting purposes.

Dimensions—Opening, 4½ inches diameter; Height, 3½ inches.

Lamp Size—25 watt A-19. 50-60 watt A-21.

Holder—Same as for No. E-26 above.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3¼ or B-1-4 with 2¼" Form 'S' or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2¼" Form 'S' or 'L' holders. No. 12 or No. 62 with 2¼" Form 'OP' or 'HP' holders.

For Colored Lighting: Use **Color-Lite**—No. 12-A or No. 12-ADB.

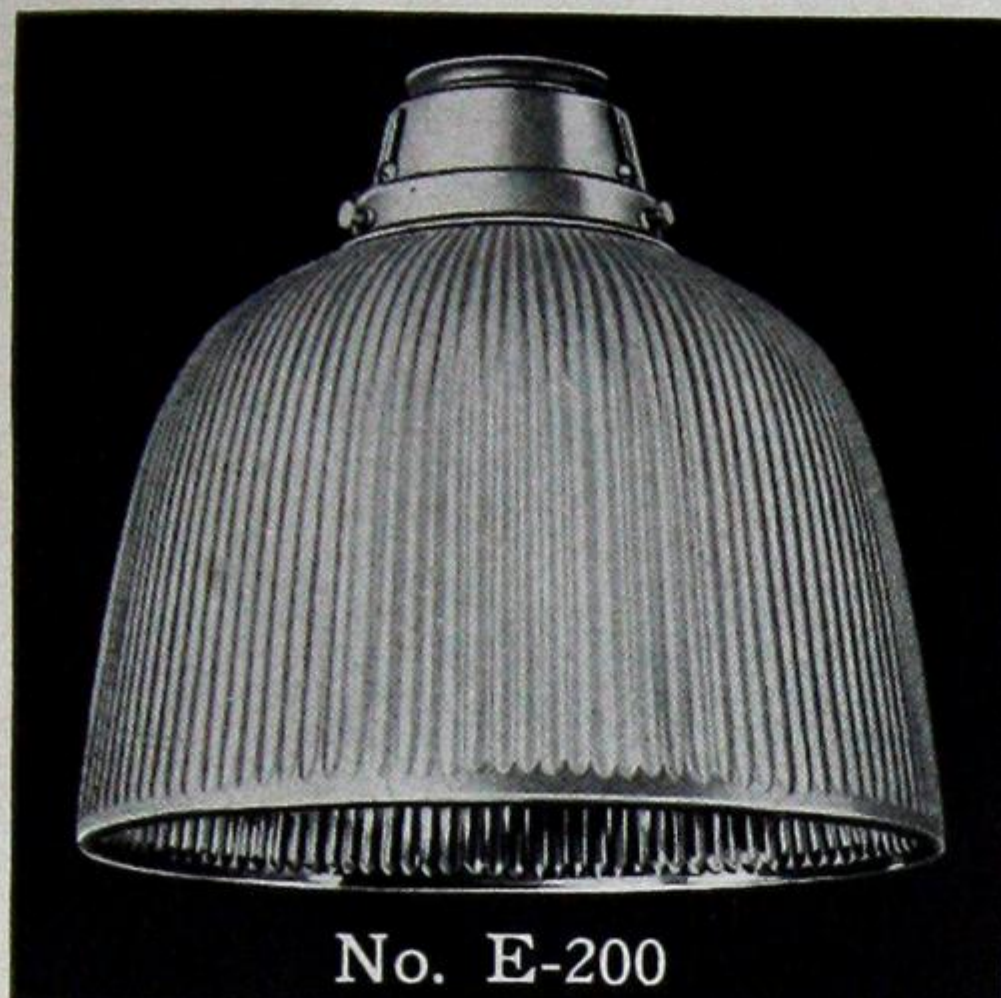
When Installed Flush in Ceiling: Use

Flush Mounting Ring—No. I-25.

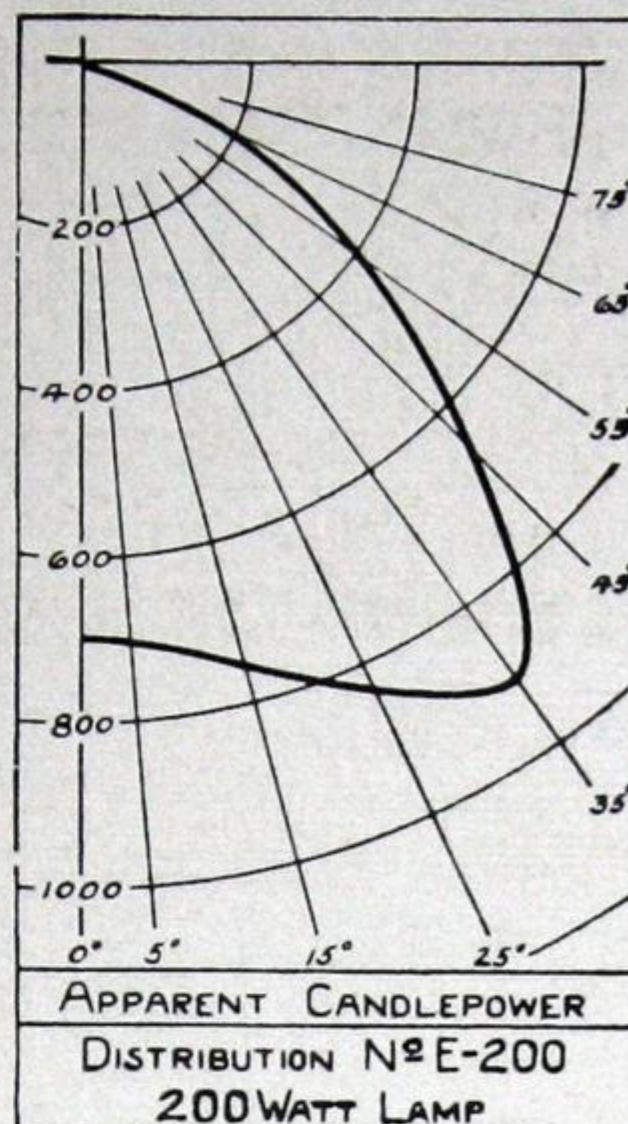
When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 5.

Permaflexor No. E-200 and E-200-R



No. E-200



Standard Quantity—7.

Weight, Approx. 18 lbs.

Code: Permaflexor No. E-200 including Adapter

No. 1256

ETUHUN

Permaflexor No. E-200-R including Adapter

No. 1256-R

ETUHUNAR

Application—A broadly distributing reflector for same service as E-100. Other uses include recessed lighting of areas below canopies of gasoline service stations, theaters, etc.

Bottom Opening Circular—Diameter, 9½ inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.

200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2¼" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket, use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-¾ or B-1-4, use Adapter No. 1256 attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-¾ or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2 or No. 2DB for external mounting. No. 21 or No. 21-DB for use with Flush Mounting Ring No. 54.

When Recessed in Plaster Ceiling: Use

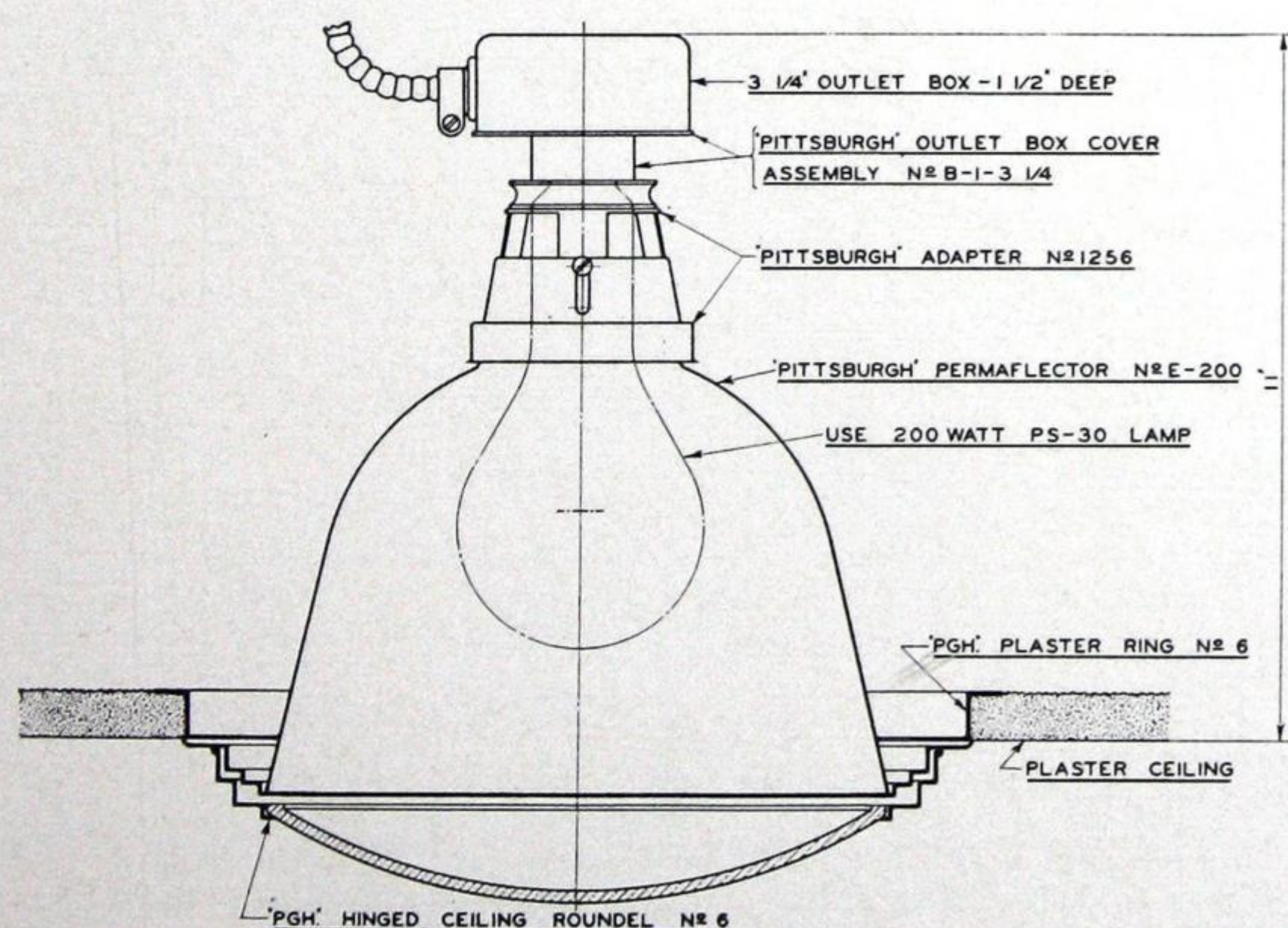
Plaster Ring—

No. 54 with Flush Mounting Ring No. 54

No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 54.



No. E-200, Recessed in Ceiling and Equipped with Hinged Ceiling Roundel No. 6.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.

No. FM-54 for use with Flush Mounting Ring No. 54.

Egg Crate Louver—

No. FEC-200 for use with Flush Mounting Ring No. 54.

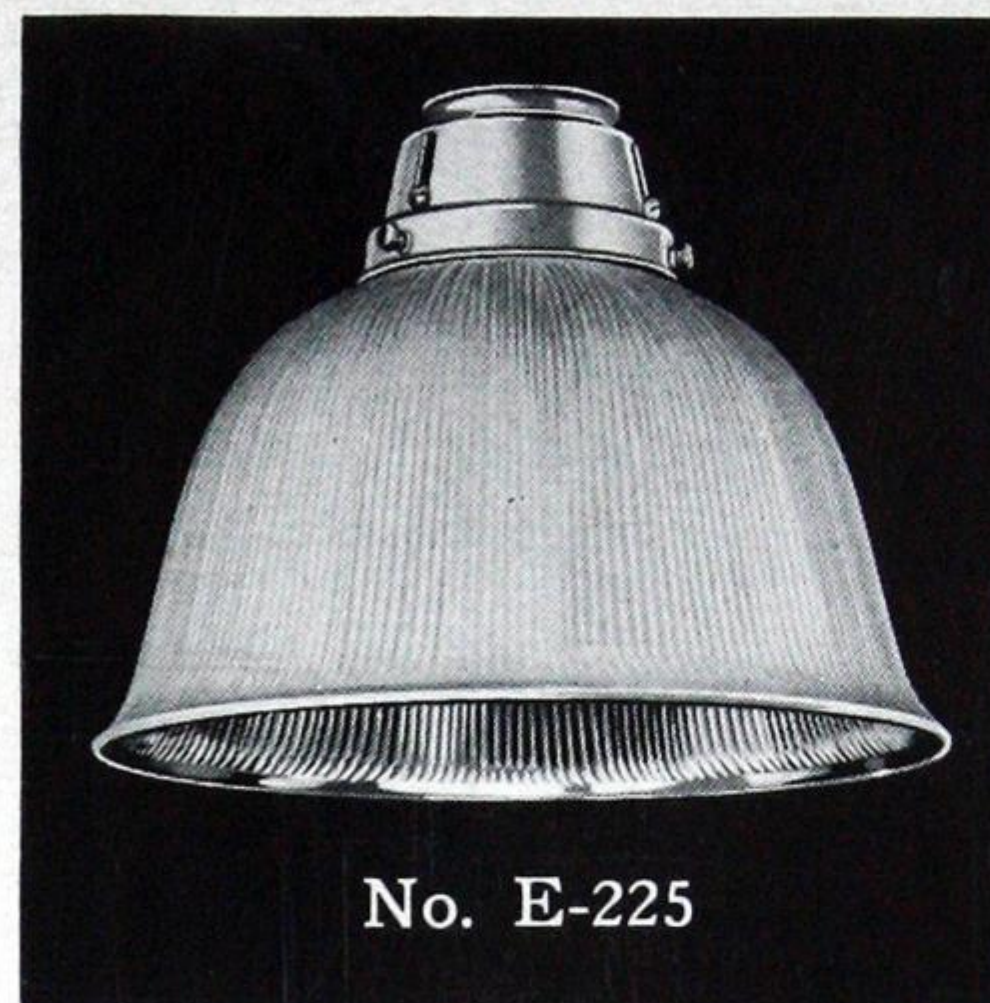
Concentric Louver—

No. EM-54-C for External Mounting.

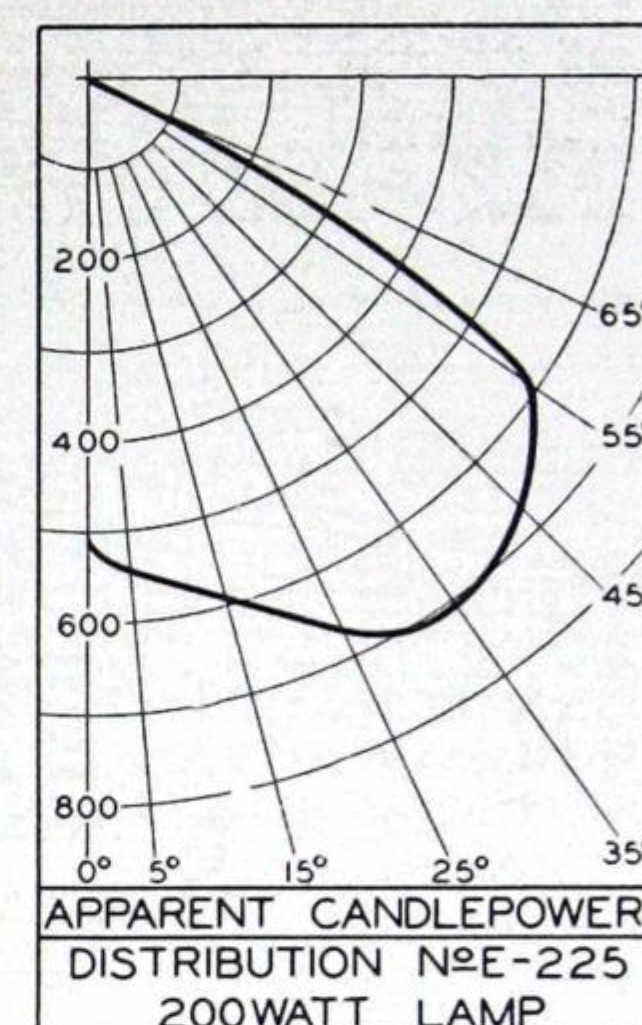
No. FM-54-C for use with Flush Mounting Ring No. 54.

Hinged Concentric Louver—No. 6.

Permaflexor No. E-225 and E-225-R



No. E-225



Standard Quantity—10.

Weight, Approx. 21 lbs.

Code: Permaflexor No. E-225 including Adapter

No. 1256

ETUTUFI

Permaflexor No. E-225-R including Adapter

No. 1256-R

ETUTUFIR

Application—For uses similar to E-100 and E-200, where an extremely broad distribution is desired. Also a good reflector for indirect lighting applications.

Bottom Opening Circular—Diameter, 9½ inches.

Lamp Size—

150 watt A-25, Adapter in compressed position.

200 watt PS-30, Adapter in extended position.

Holder—with brass shell socket, use 2¼" Form 'OB' holder with Adapter No. 1256; with grooved porcelain socket, use Adapter No. 1256-R attached directly to socket; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-¾ or B-1-4, use Adapter No. 1256 attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-¾ or B-1-4 with Adapter No. 1256.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with Adapter No. 1256. No. 12 or No. 62 with Adapter No. 1256-R.

For Colored Lighting: Use

Color-Lite—No. 1, No. 2 or No. 2DB for external mounting. No. 21 or No. 21-DB for use with Flush Mounting Ring No. 54.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 54 with Flush Mounting Ring No. 54.

No. 6 with Hinged Ceiling Roundel No. 6 or Hinged Concentric Louver No. 6.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 54.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 6.

For Louvered Lighting: Use

Parallel Louver—

No. EM-54 for External Mounting.

No. FM-54 for use with Flush Mounting Ring No. 54.

Egg Crate Louver—

No. FEC-200 for use with Flush Mounting Ring No. 54.

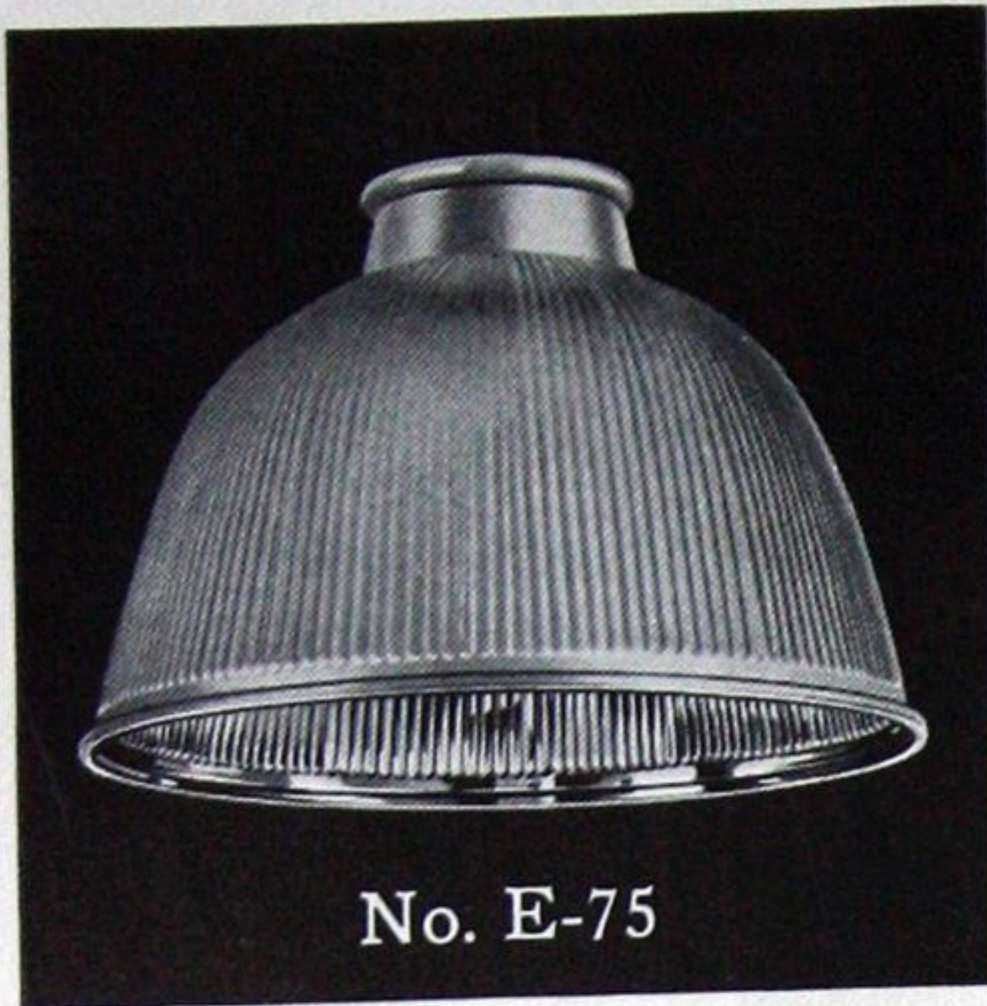
Concentric Louver—

No. EM-54-C for External Mounting.

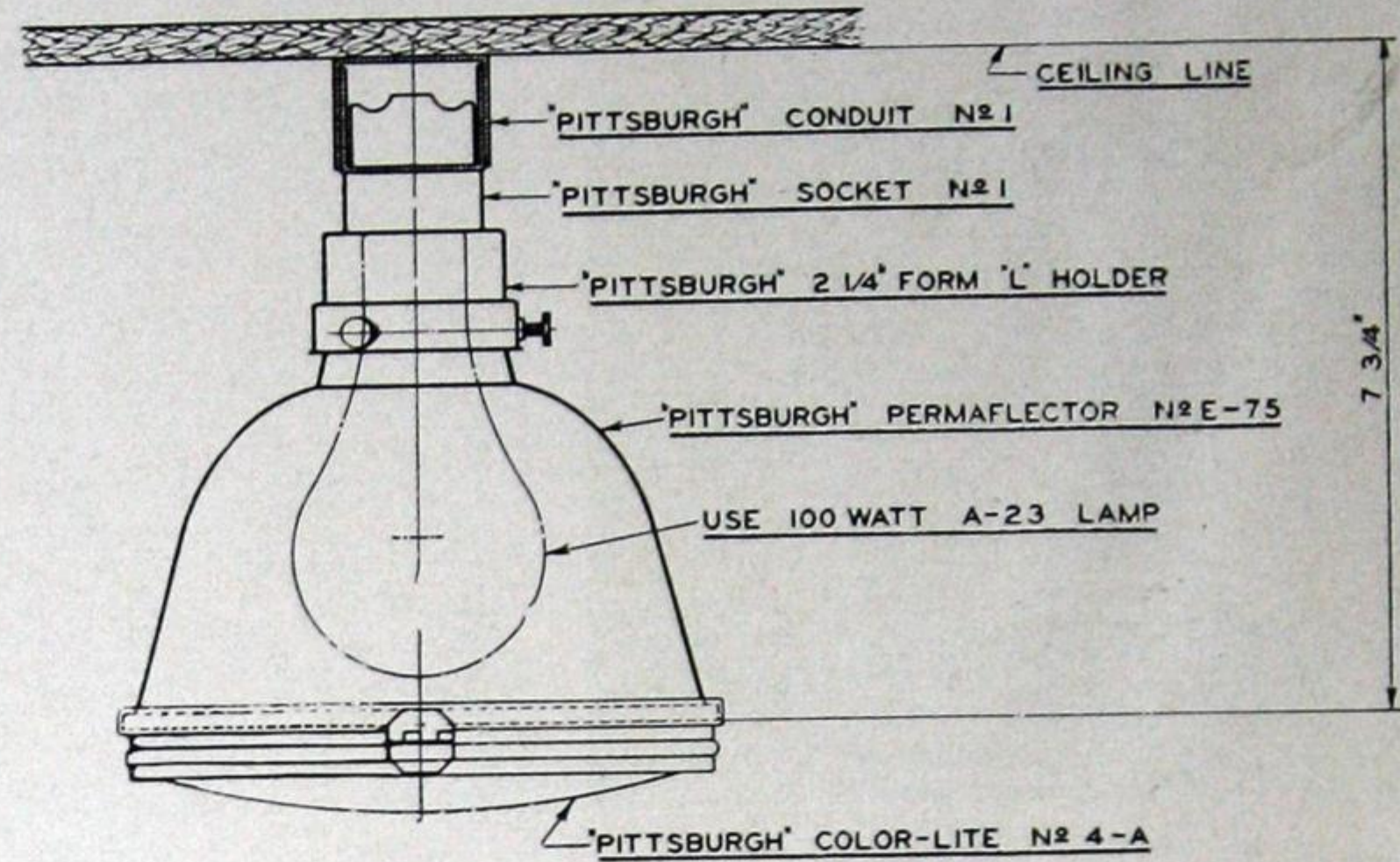
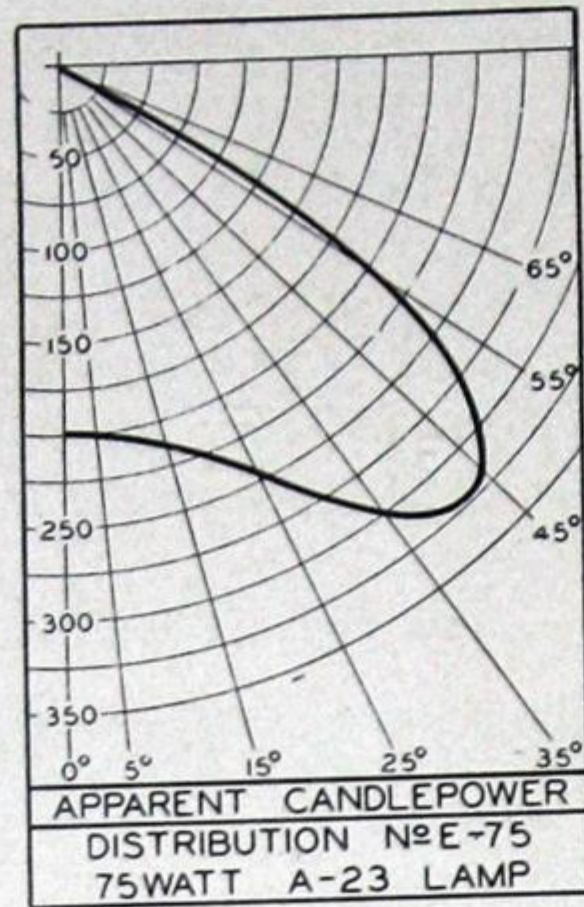
No. FM-54-C for use with Flush Mounting Ring No. 54.

Hinged Concentric Louver—No. 6.

Permaflector No. E-75



No. E-75



E-75 General Arrangement.

Standard Quantity—8.

Weight, Approx. 9 lbs.

Code: Permaflector No. E-75.....ESEFI

Application—A broadly distributing reflector for direct lighting service, where a close spacing of low wattage lamps is employed for relatively low mounting. May also be recessed in ceiling.

Dimensions—Opening, 6 3/4 inches diameter; Height, 4 3/4 inches.

Lamp Size—

60 watt A-21. 75 watt A-21. 100 watt A-23.

Holder—with brass shell socket, use 2 1/4\" Form 'OB' holder for 60 watt A-21 lamp; 2 1/4\" Form 'HB' holder for 100 watt A-23 lamp; with grooved porcelain socket, use 2 1/4\" Form 'OP' holder for 60 watt A-21 lamp; 2 1/4\" Form 'HP' holder for 100 watt A-23 lamp; with Conduit No. 1, Knockout Strip No. KO-1 or Outlet Box Cover Assemblies No. B-1-3 1/4 or B-1-4, use 2 1/4\" Form 'S' holder for 60 watt A-21 lamp; 2 1/4\" Form 'SL' holder for 75 watt A-21 lamp; 2 1/4\" Form 'L' holder for 100 watt A-23 lamp, attached directly to socket.

May Be Installed With:

Outlet Box Cover Assembly—No. B-1-3 1/4 or B-1-4 with 2 1/4\" Form 'S', 'SL', or 'L' holders.

May Be Mounted on:

Conduit—No. 1, No. 61 or Knockout Strip No. KO-1 with 2 1/4\" Form 'S', 'SL', or 'L' holders. No. 12 or No. 62 with 2 1/4\" Form 'OP' or 'HP' holders.

For Colored Lighting: Use

Color-Lite—No. 4-A or No. 4-ADB.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. 77 with Flush Mounting Ring No. 73.

No. 4 with Hinged Ceiling Roundel No. 4 or Hinged Concentric Louver No. 4.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. 73.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 4.

For Louvered Lighting: Use

Parallel Louver—

No. EM-77 for External Mounting.

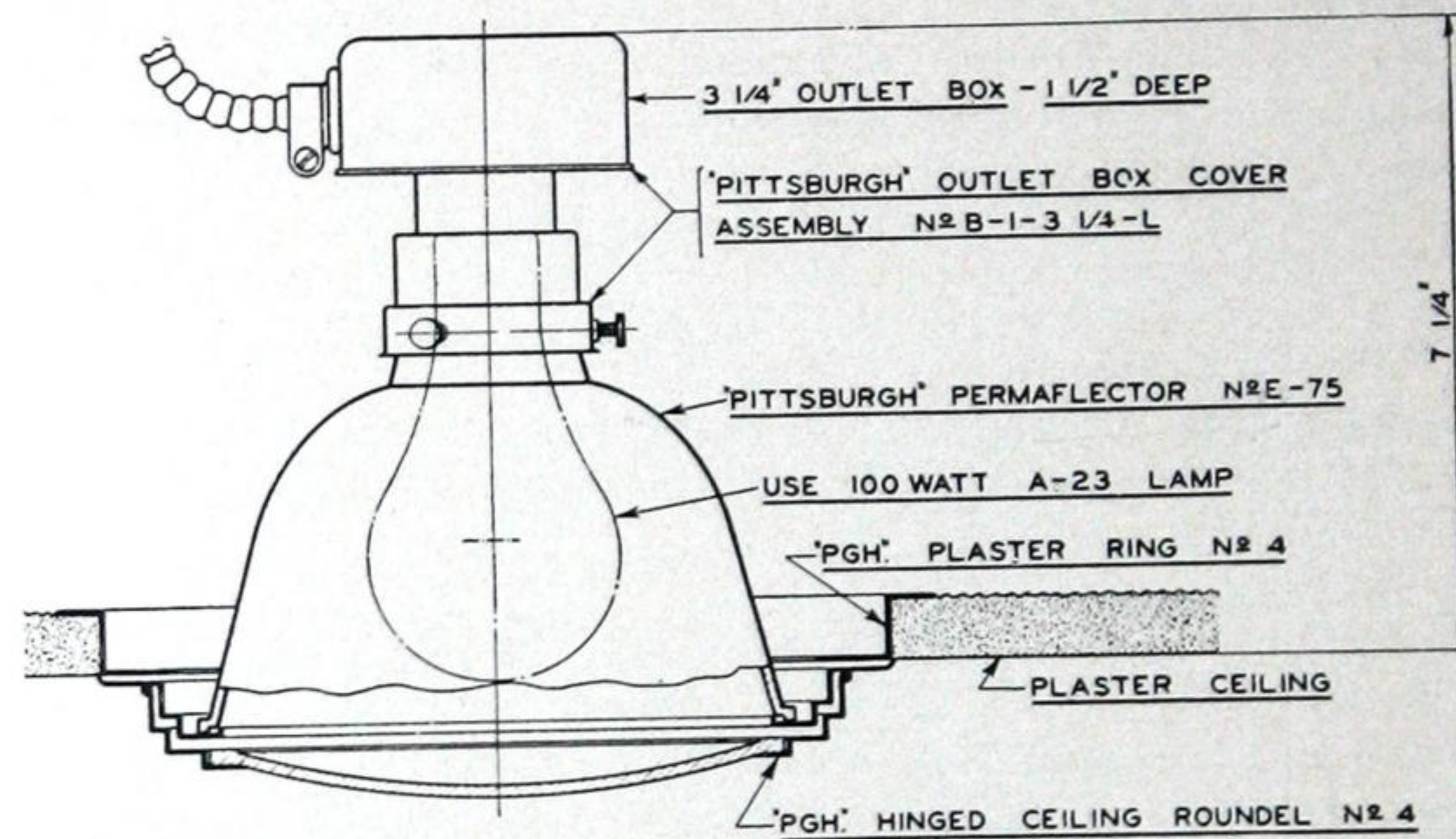
No. FM-77 for use with Flush Mounting Ring No. 73.

Concentric Louver—

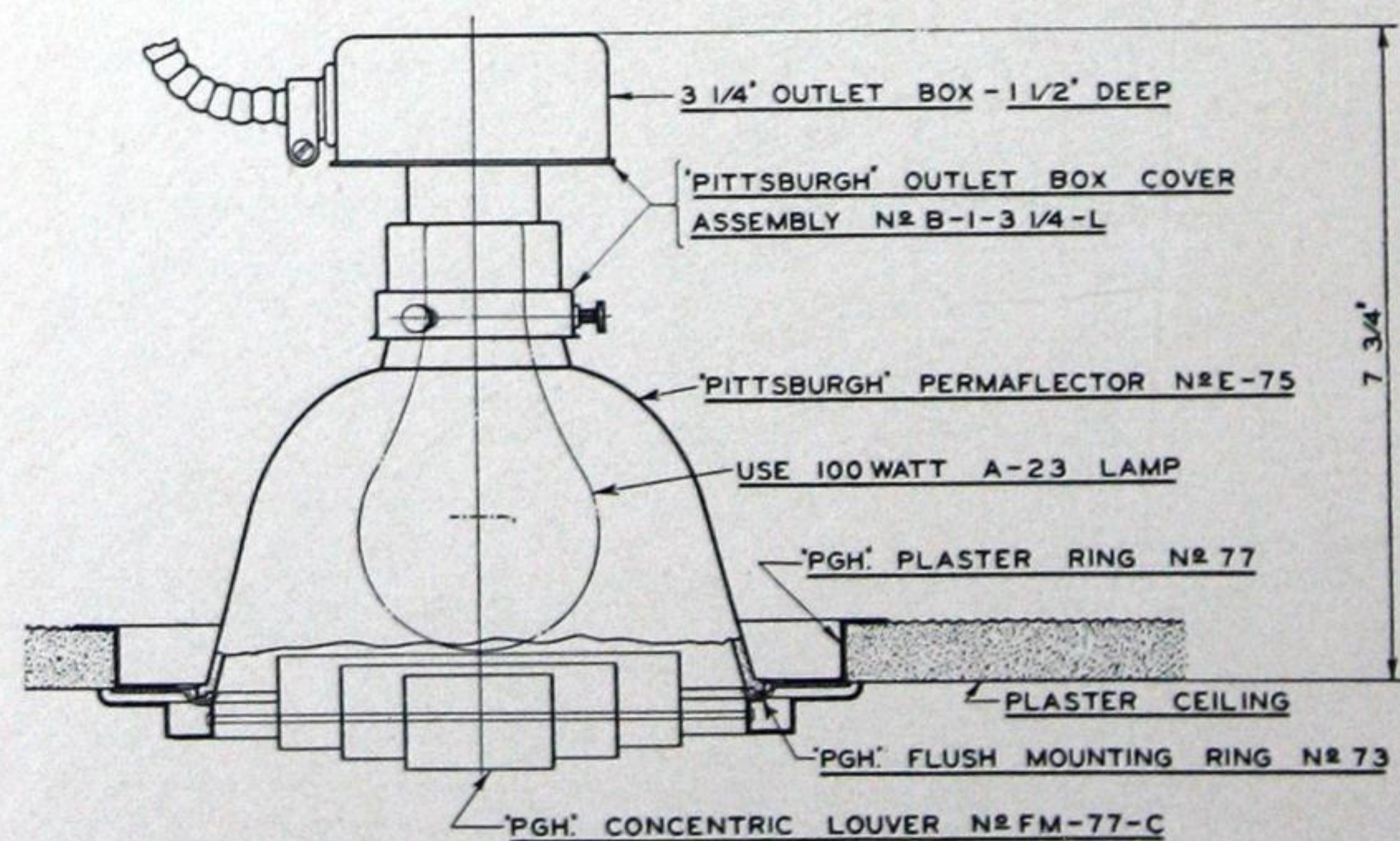
No. EM-77-C for External Mounting.

No. FM-77-C for use with Flush Mounting Ring No. 73.

Hinged Concentric Louver—No. 4.



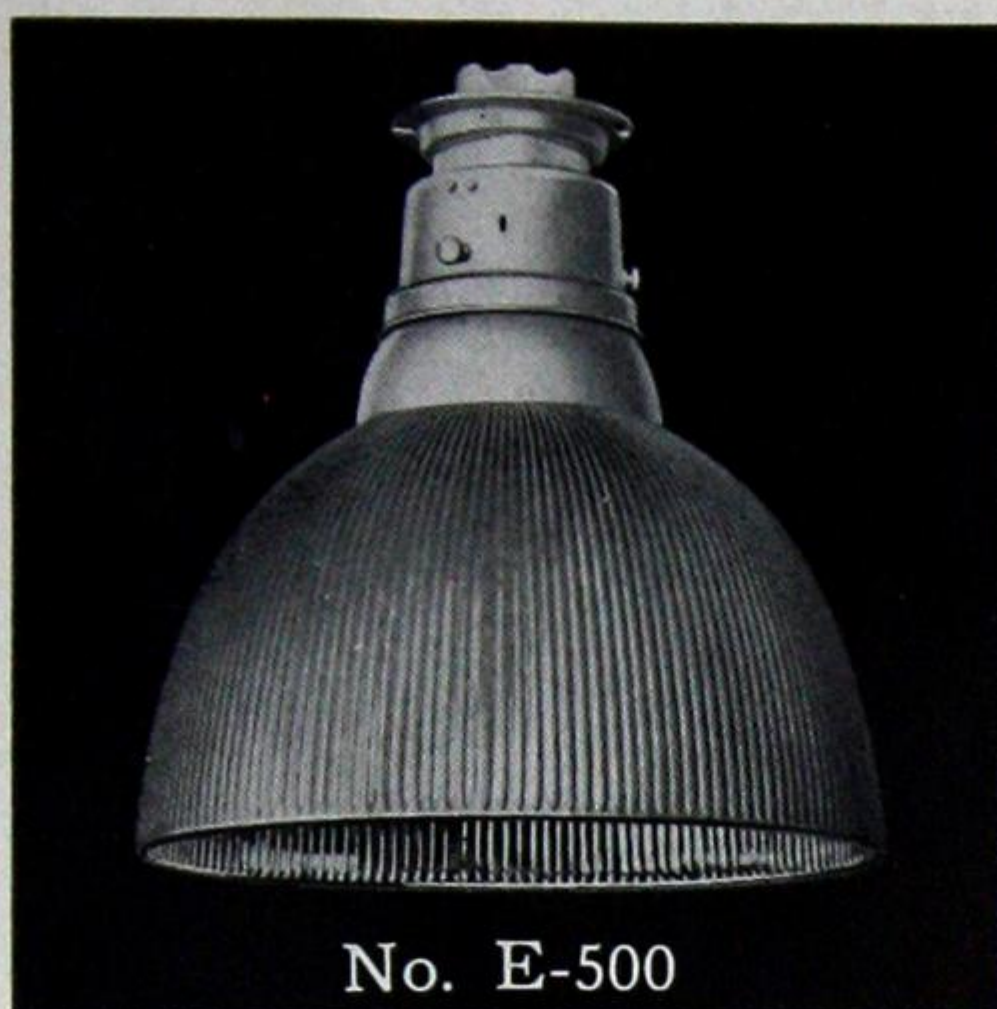
E-75 Recessed in Plaster Ceiling with Hinged Ceiling Roundel.



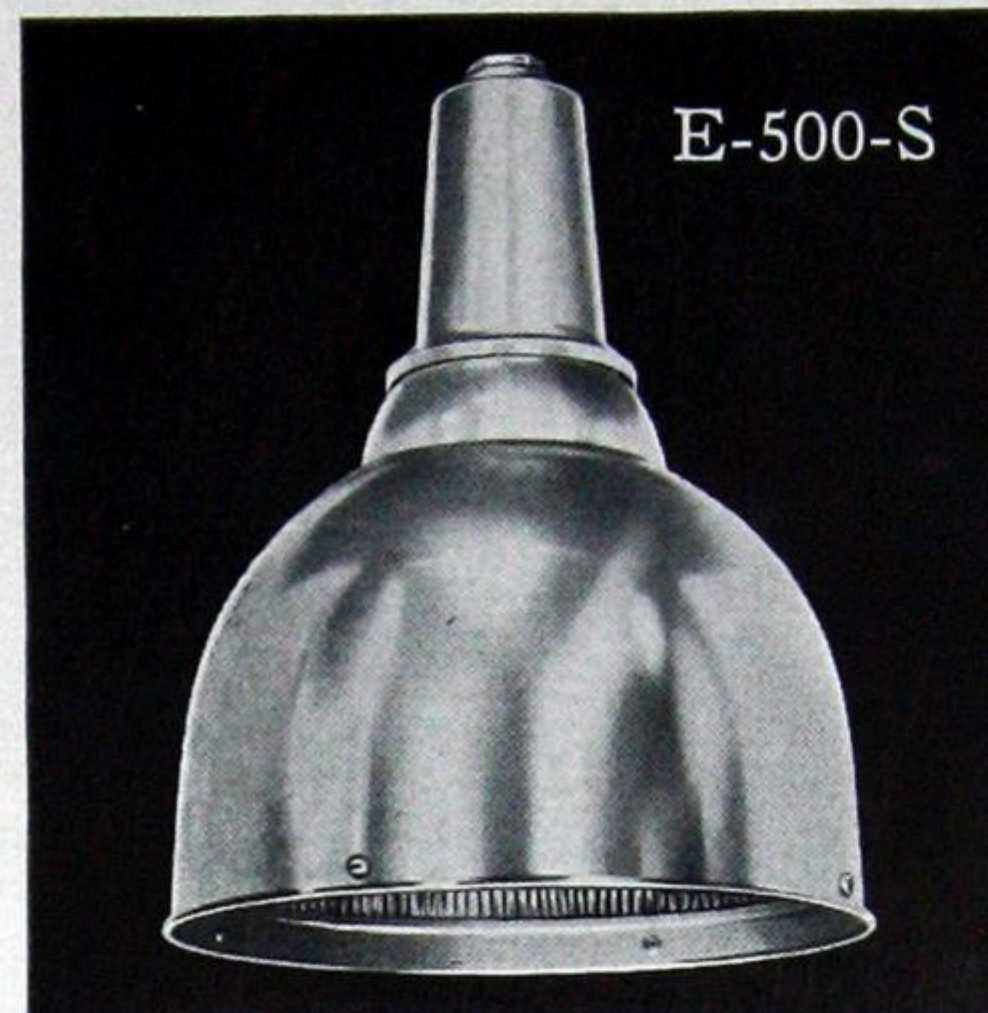
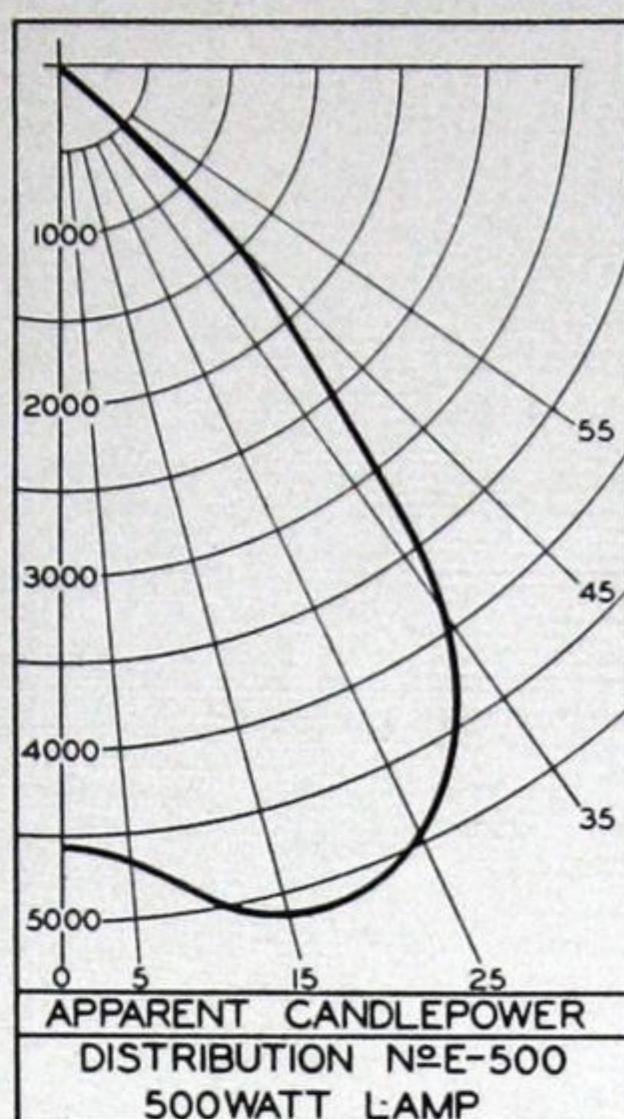
E-75 Recessed in Plaster Ceiling and Louvered.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

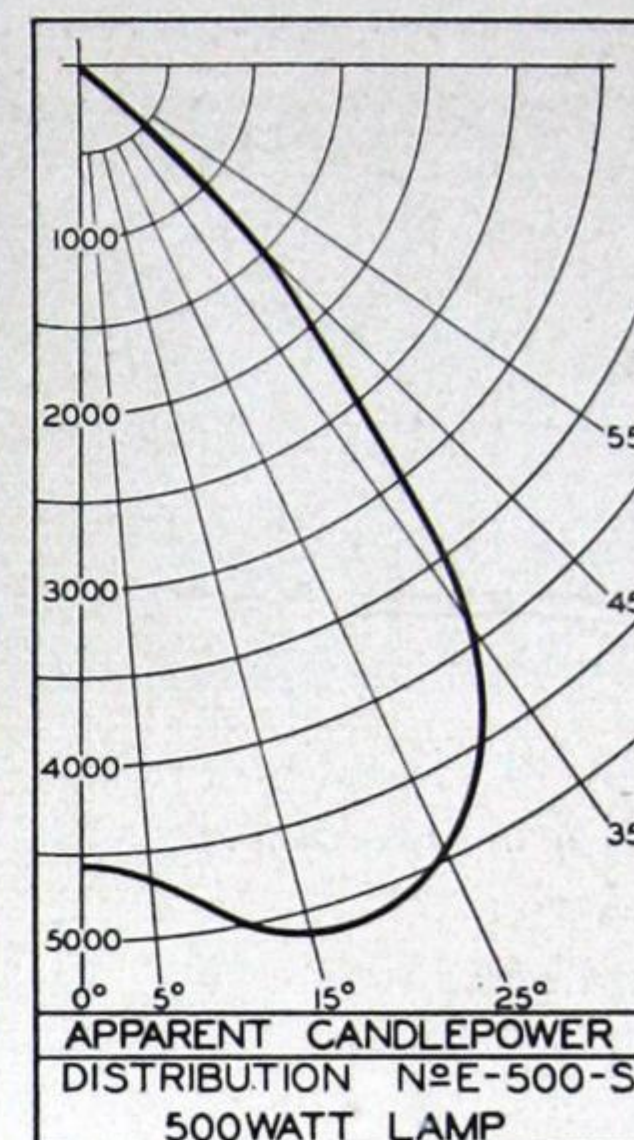
Permaflector No. E-500 Series



No. E-500



E-500-S



Standard Quantity—1.

Code: Permaflector No. E-500 including Outlet Box Cover Assembly No. B-3 and Holder No. M-3.....**EFIHUNDER**
Permaflector No. E-500-GO (Glass Only).....**EFIHUGLA**

Application—A reflector of wide utility. It is used exposed or enclosed in metallic housing for industrial and public space illumination. It is recessed in the ceiling with flush mounting ring and concentric louver or hinged ceiling roundel. Excellent for use above skylights. A good reflector to be incorporated in lantern fixtures.

Bottom Opening Circular—Diameter, 11 7/8 inches.

Lamp Size—500 watt PS-40. 300 watt PS-35.

Holder—No additional holder required. Furnished as shown with Outlet Box Cover Assembly No. B-3 and Holder No. M-3. Attaches to any standard 4" outlet box 1 5/8" deep.

May Be Mounted on:

Conduit—No. 6 in which case discard outlet box cover.

For Colored Lighting: Use **Color-Lite**—No. 13 or No. 14-A.

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. E-500 with Flush Mounting Ring No. E-500.

No. 2-A with Hinged Ceiling Roundel No. 2-A or Hinged Concentric Louver No. 2-A.

When Installed Flush in Ceiling (Not Plastered): Use

Flush Mounting Ring—No. E-500.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 2-A.

For Louvered Lighting: Use

Parallel Louver—

No. EME-500 for External Mounting.

No. FME-500 for use with Flush Mounting Ring No. E-500.

Egg Crate Louver—

No. FEC-300 for use with Flush Mounting Ring No. E-500.

Concentric Louver—

No. EME-500-C for External Mounting.

No. FME-500-C for use with Flush Mounting Ring No. E-500.

Hinged Concentric Louver—No. 2-A.

Weight, Approx. 7 lbs.

Standard Quantity—1.

Code: Permaflector No. E-500-S.....

Weight, Approx. 18 lbs.

EFIHUNDES

Lamp Size—500 watt PS-40. 300 watt PS-35.

Permaflector No. E-500-S employs Permaflector No. E-500-GO enclosed in aluminum housing. Permaflector readily removable. Furnished complete with socket. Attaches to any standard 1/2 inch conduit hanger.

Permaflector No. E-500-B

Standard Quantity—1.

Weight, Approx. 9 1/2 lbs.

Code: Permaflector No. E-500-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. M-3.....**EFIVHUNBI**

Lamp Size—500 watt PS-40. 300 watt PS-35.

Permaflector No. E-500-B same as Permaflector No. E-500 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.

Permaflector No. E-500-3

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 9 1/2 lbs.

Code: Permaflector No. E-500-3 including Outlet Box Cover Assembly No. B-33 and Holder No. M-3.....**EFIHUNTRE**

Lamp Size—200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

Permaflector No. E-500-3 same as Permaflector No. E-500 except equipped with Outlet Box Cover Assembly No. B-33.

Permaflector No. E-500-3B

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 9 1/2 lbs.

Code: Permaflector No. E-500-3B including Box No. KO-11, Three-Light Mogul Socket No. 5 and Holder No. M-3.....**EFIHUNTREB**

Lamp Size—200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

Permaflector No. E-500-3B same as Permaflector No. E-500-3 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.

No. E-500-B
General Arrangement.

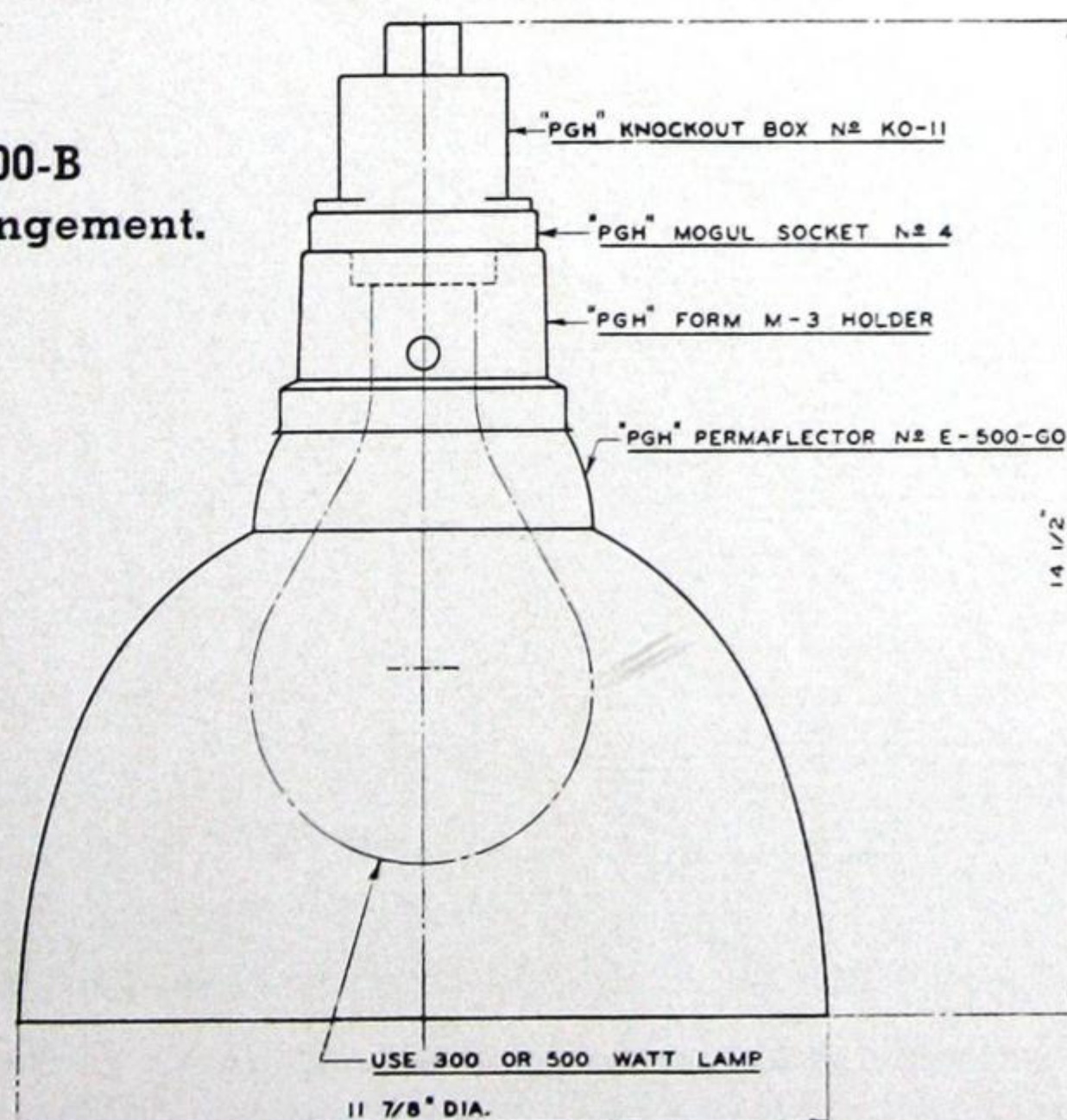
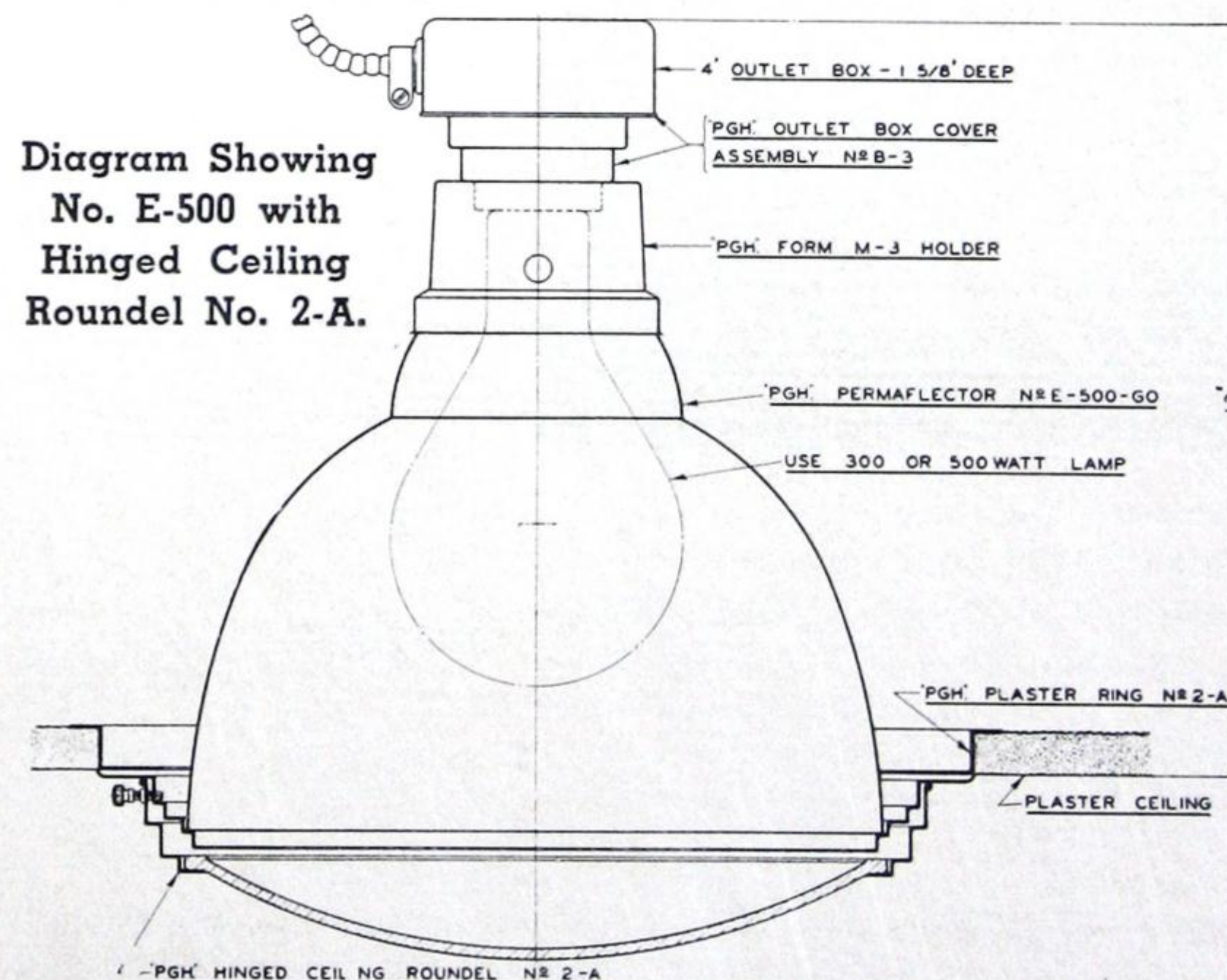
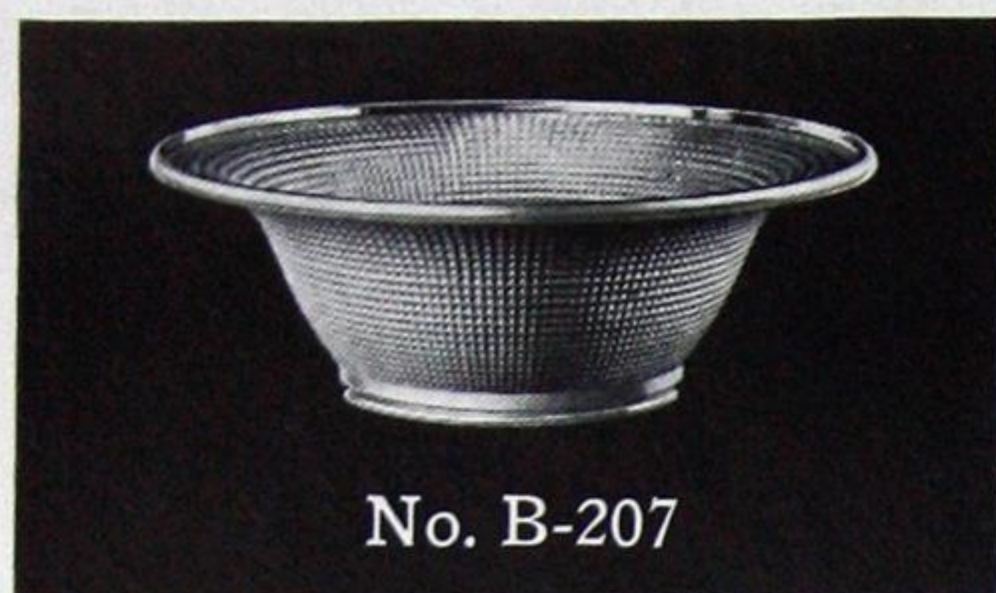


Diagram Showing
No. E-500 with
Hinged Ceiling
Roundel No. 2-A.



For Use With Illuminated Bowls

Permaflector No. B-207



No. B-207

Standard Quantity—10.

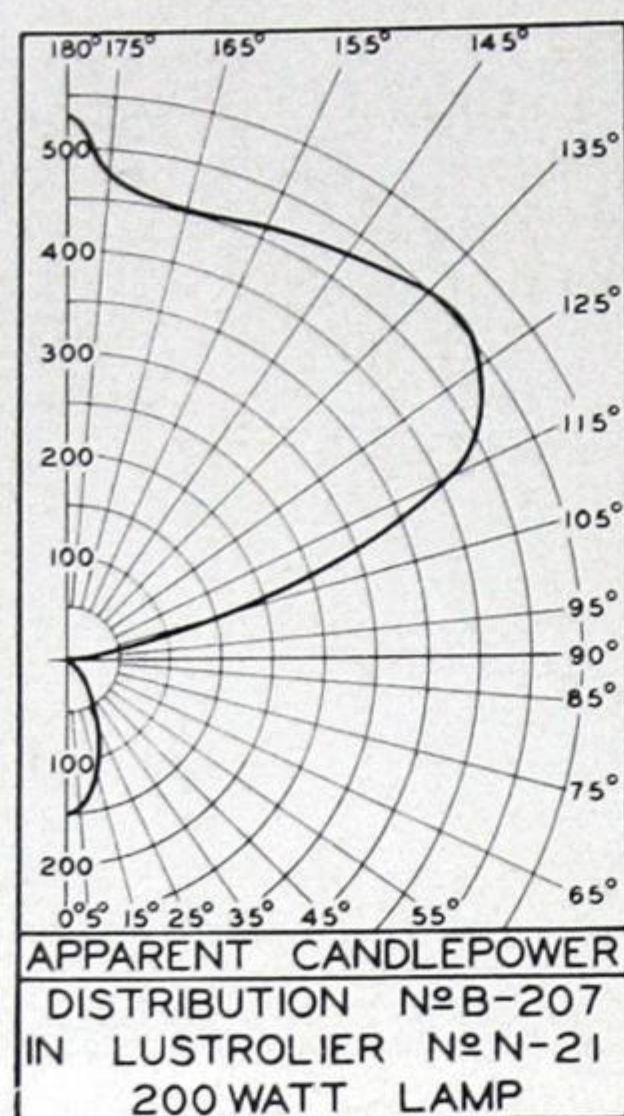
Weight, Approx. 16½ lbs.

Code: **BEETOSEV**

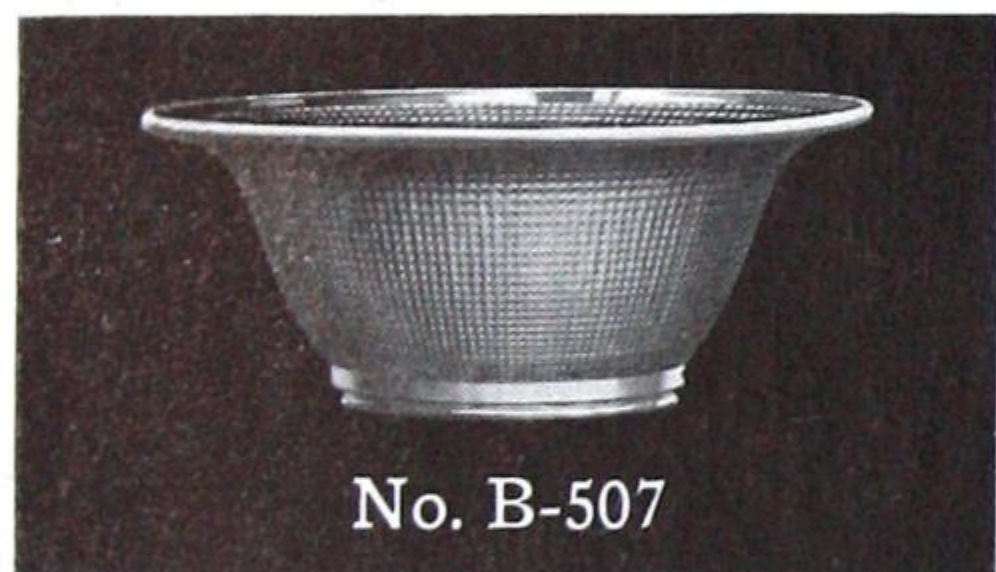
Application—For use in indirect luminaires having illuminated bowl such as our Lustrolier L-2-A and N-2 (See Fixture Catalog). Permaflector B-207 is similar to B-200 as to contour, fluting and light distribution but in addition has an open lower portion which transmits a low percentage of light downward for the illumination of the bowl.

Dimensions—Diameter 9½ inches, Depth 3¼ inches.

Lamps—200 watt PS-30. Preferably use inside frosted lamps. Lamp position same as for B-200.



Permaflector No. B-507



No. B-507

Standard Quantity—7.

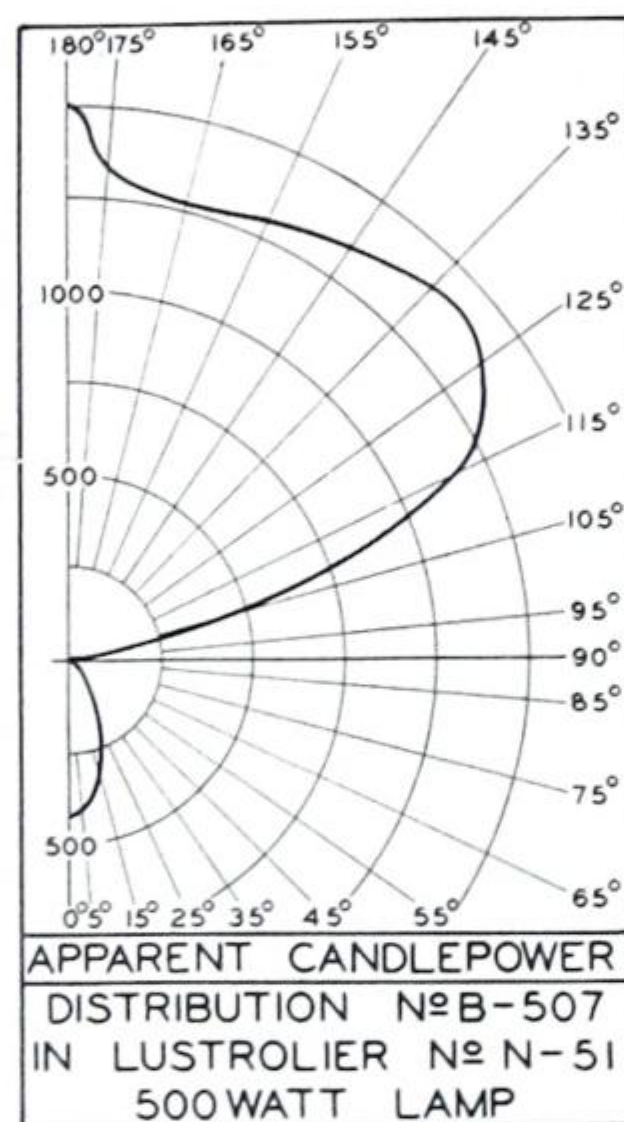
Weight, Approx. 28 lbs.

Code: **BEEFISEV**

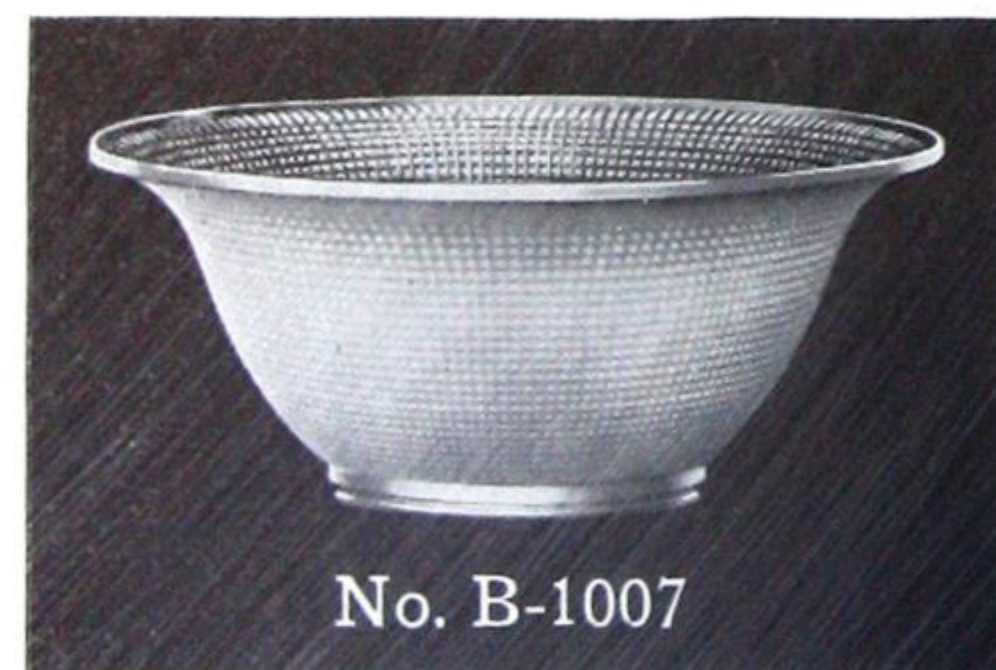
Application—For use in indirect luminaires having illuminated bowl such as our Lustrolier L-5-A or N-5 (See Fixture Catalog). Similar in design to B-207.

Dimensions—Diameter 12 inches; Depth 4¼ inches.

Lamps—500 watt PS-40, 300 watt PS-35. Preferably use inside frosted lamps. Lamp position same as for B-501.



Permaflector No. B-1007



No. B-1007

Standard Quantity—1.

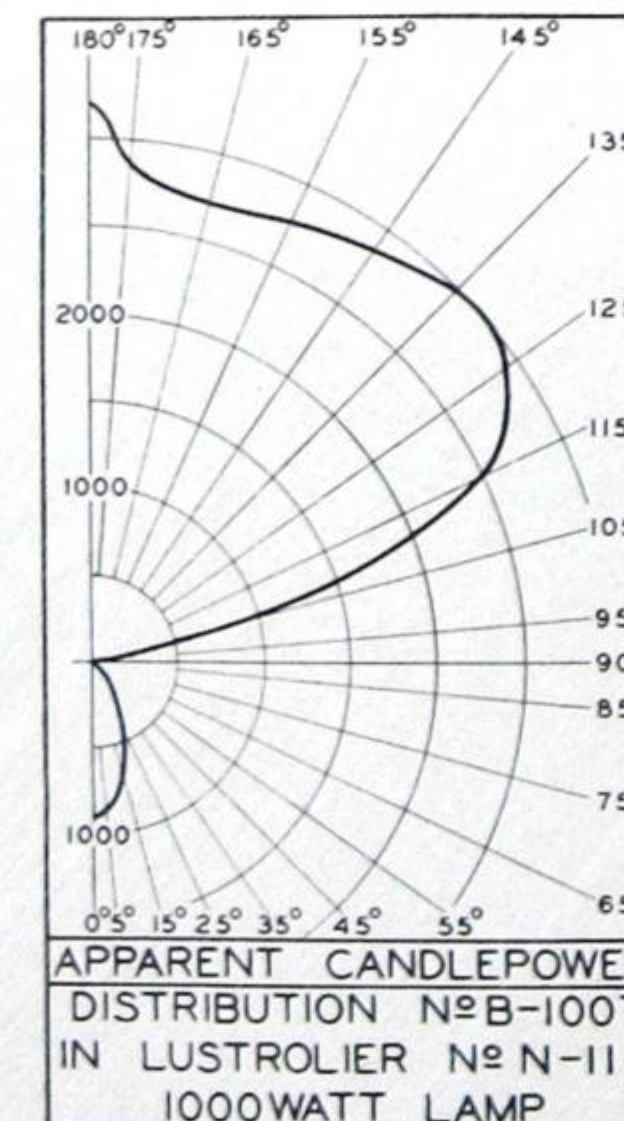
Weight, Approx. 9 lbs.

Code: **BEETHOSEV**

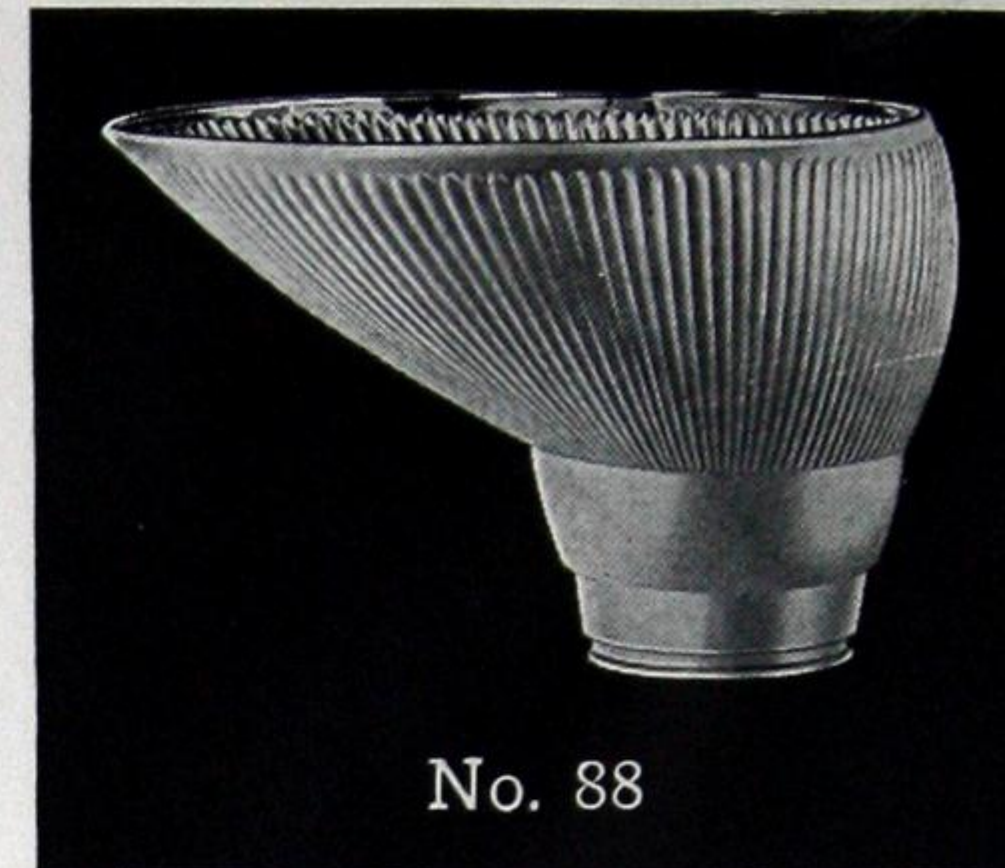
Application—For use in indirect luminaires having illuminated bowl such as our Lustrolier L-10-A or N-10 (see Fixture Catalog). Similar design to B-207.

Dimensions—Diameter 16 inches; Depth 6¾ inches.

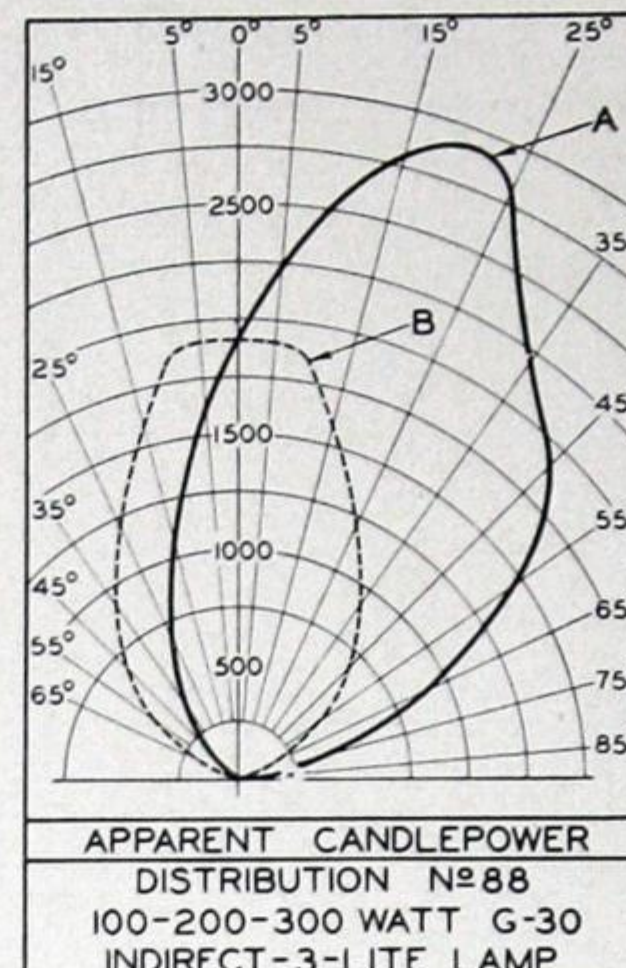
Lamps—750-1000 watt PS-52. Preferably use inside frosted lamps. Lamp position same as for B-1000.



Permaflector 88 and 88-A



No. 88



Standard Quantity—6.

Code: Permaflector No. 88..... **SHOTIAT**

Permaflector No. 88-A,

including Adapter No. 21..... **SHOATE**

Application—For use in indirect lighting urns, floor and table lamps, where asymmetric distribution is required.

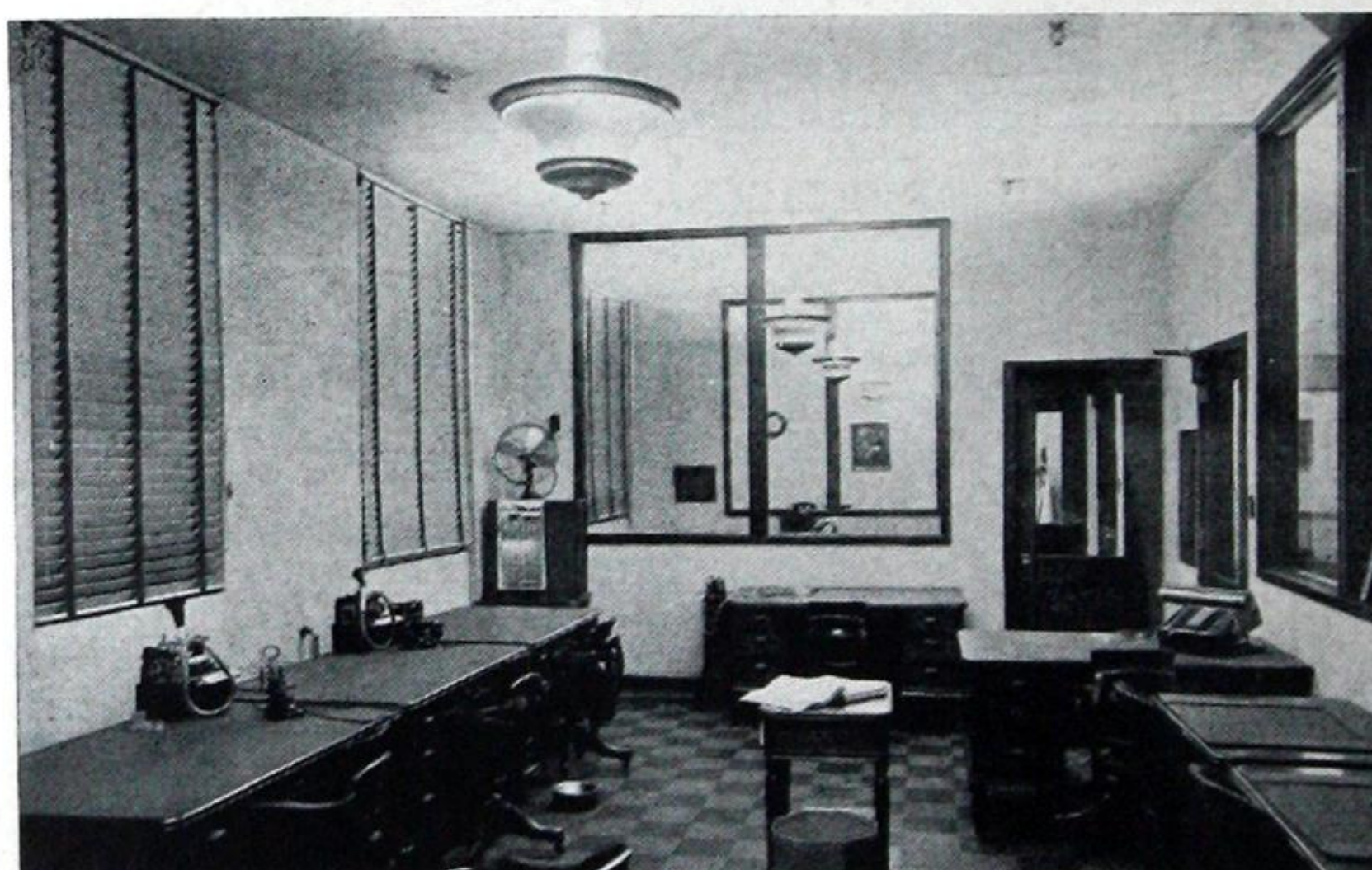
Dimensions—Diameter, 8½ inches.

Lamp—200 Watt PS-30, Adapter No. 21. 100-200-300 Watt, G-30 I. F. Indirect (3-Lite) Outlet Box Cover Assembly B-21-4.

Holder—(200 Watt lamp only), with brass shell socket, use 2¼" Form "OB" holder with Adapter No. 21; with grooved porcelain socket, use 2¼" Form "OP" holder with Adapter No. 21; with Conduit No. 1, Knockout Strip No. KO-1, or Outlet Box Cover Assemblies No. B-1-3-¼ or B-1-4, use Adapter No. 21 attached directly to socket.

Other Asymmetric Permaflectors for Indirect Lighting:

Permaflectors Nos. 77, 99 and 990 also may be used in indirect lighting urns, floor and table lamps.



The Superior Paper Products Co., Crafton, Pa., employ Permaflector Luminaires N-5 for office lighting.



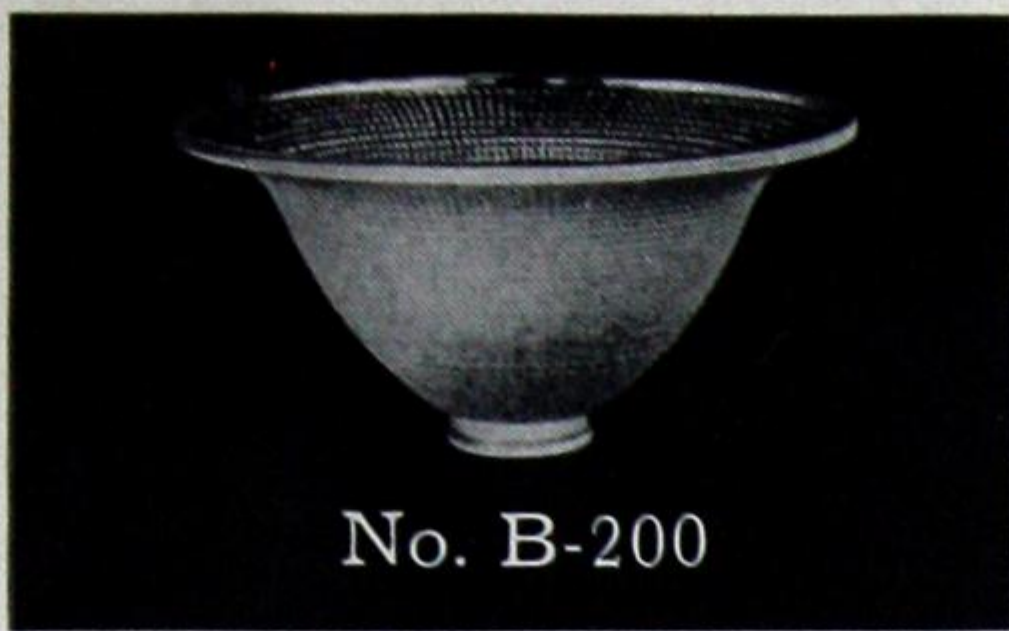
Permaflector Lustroliers L-5-A with green Color-Lites harmonize well with the green leather furniture in this reception room.

Permaflexors for Indirect Luminaires

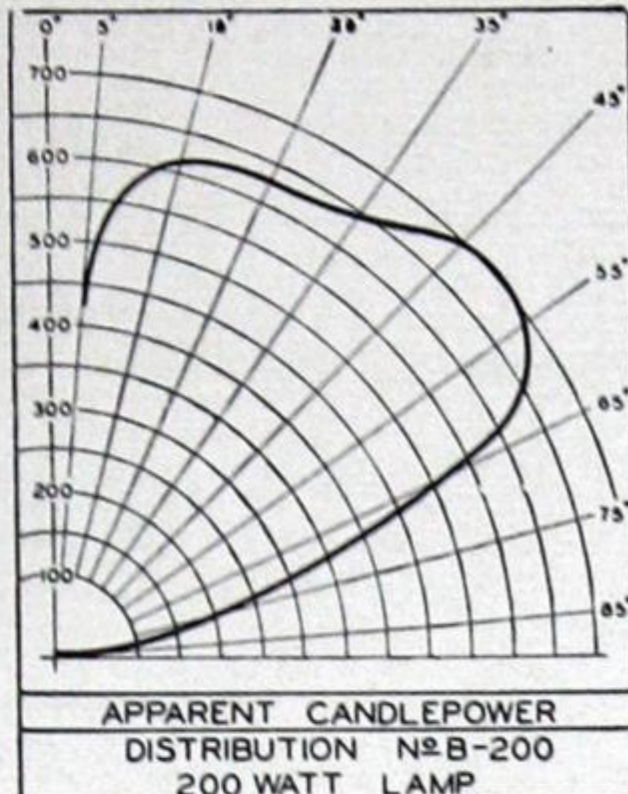
For Use With Opaque Bowls

These Permaflexors are used in indirect luminaires, lamps hanging pendant base up. The exterior surface of these Permaflexors is deeply cross-fluted, in order to provide a smooth

Permaflexor No. B-200



No. B-200



Standard Quantity—10.

Weight, Approx. 16½ lbs.

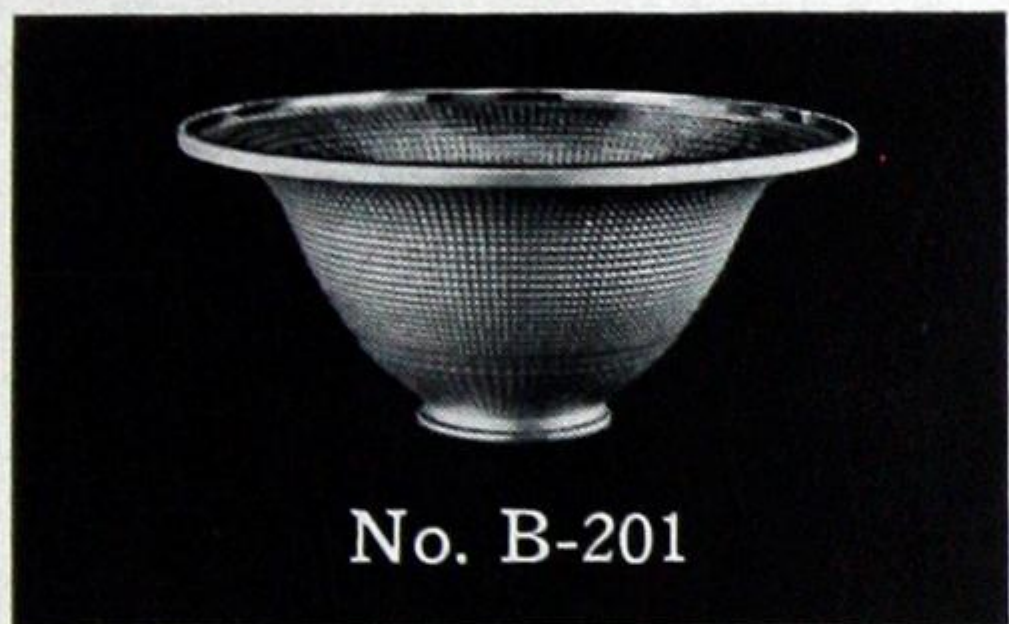
Code: Permaflexor No. B-200.....**BEDASHTU**

Application—For use in opaque bowl, indirect luminaires such as our Luminaire B-21. (See Fixture Catalog.)

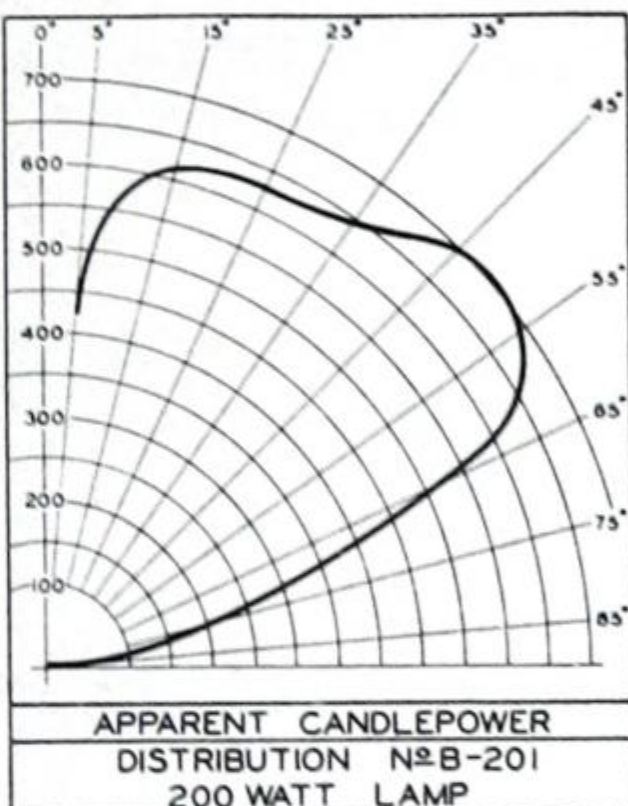
Dimensions—Diameter, 9½ inches; Depth, 4¾ inches.

Lamps—200 watt PS-30. Preferably use inside frosted lamps. To produce light distribution indicated by curve, center contact of base of 200-watt lamp must be 4⅞ inches above top rim of Permaflexor B-200.

Permaflexor No. B-201



No. B-201



Standard Quantity—10.

Weight, Approx. 16½ lbs.

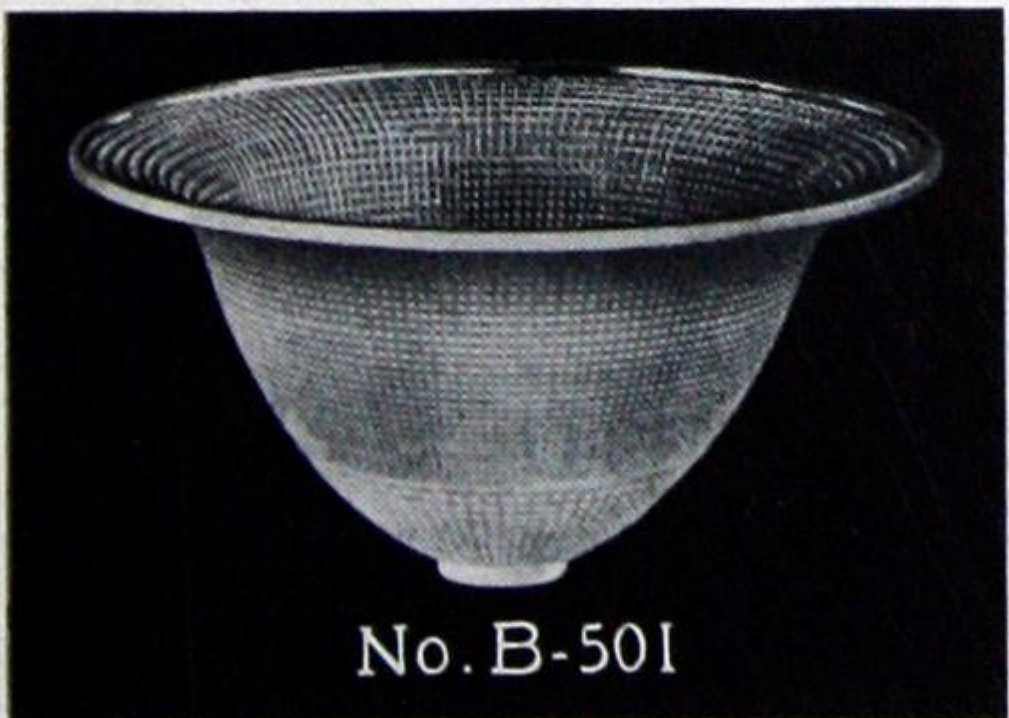
Code: Permaflexor No. B-201.....**BETUOUNE**

Application—For use in Indirect Floor Lamps such as FB-200 (See Fixture Catalog). This Permaflexor is identical in shape to B-200 except with wider neck to accommodate lamp for base down service.

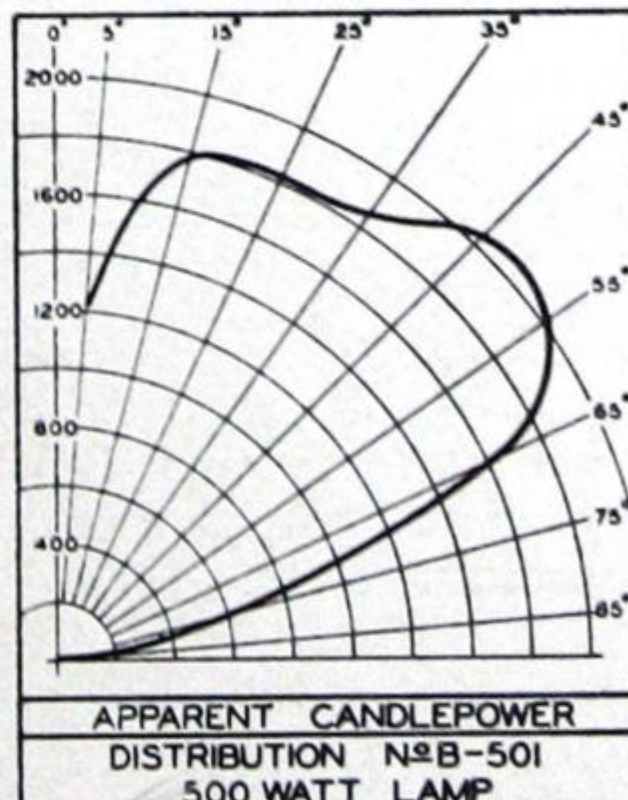
Dimensions—Diameter, 9½ inches; Depth, 4⅞ inches.

Lamps—200 watt PS-30. 100-200-300 watt G-30 Three-Light.

Permaflexor No. B-501



No. B-501



Standard Quantity—7.

Weight, Approx. 28 lbs.

Code: Permaflexor No. B-501.....**BEEFIVONE**

Application—For use in opaque bowl, indirect luminaires such as our Luminaire B-51. (See Fixture Catalog.)

Dimensions—Diameter 12 inches; Depth 6 inches.

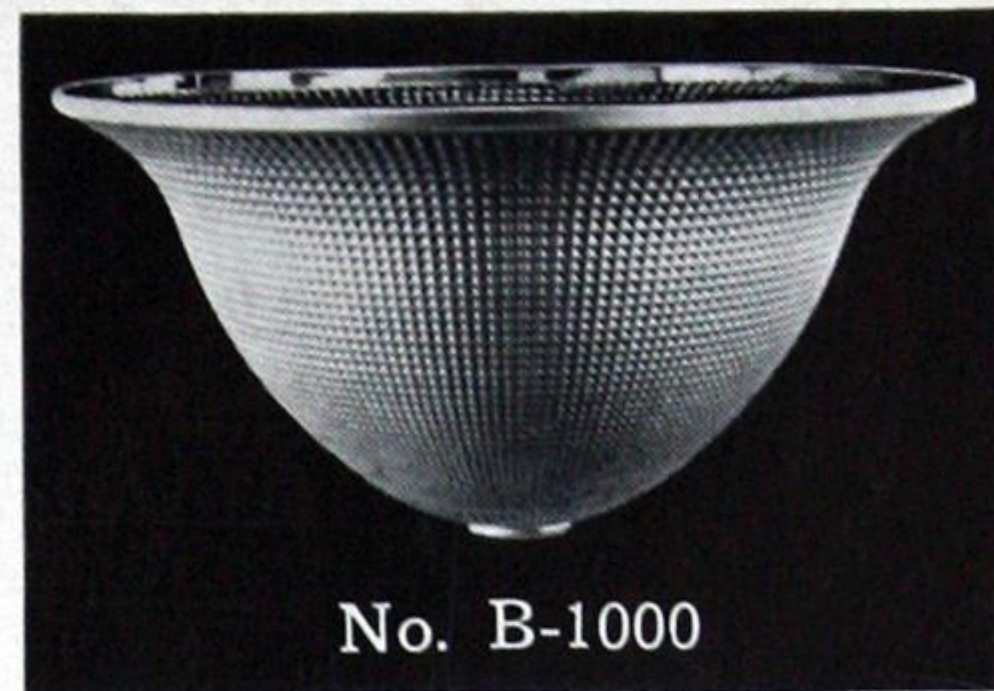
Lamps—500 watt PS-40, 300 watt PS-35. Preferably use inside frosted lamps. To produce light distribution indicated by curve, center contact of base of 500-watt lamp must be 5⅜ inches above top rim of Permaflexor B-501.

distribution of light over the ceiling. The interior glass surface, however, is smooth which makes it easy to clean. There are no depressions in the glass surface in which dirt may lodge.

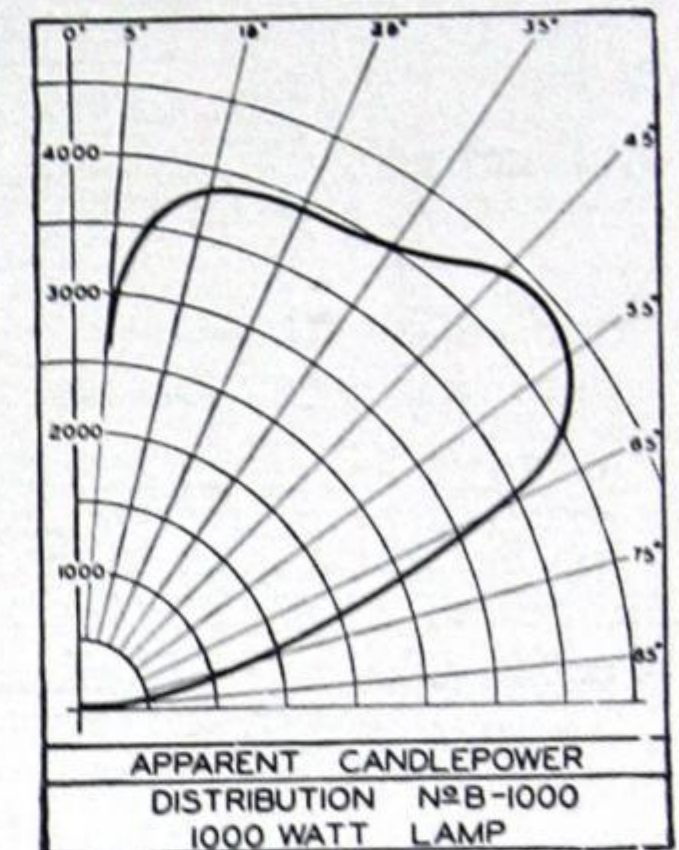
Also make excellent direct lighting reflectors set flush in ceiling, concealed in lanterns, or installed in new style louvered direct lighting luminaires of design to give preponderantly direct illumination with supplementary upwardly reflected light for illumination of ceiling (See Fixture Catalog).

The light distribution is very broad thus covering a large ceiling area with a single unit, smoothly and uniformly graded without sharp cut-off.

Permaflexor No. B-1000



No. B-1000



Standard Quantity—1.

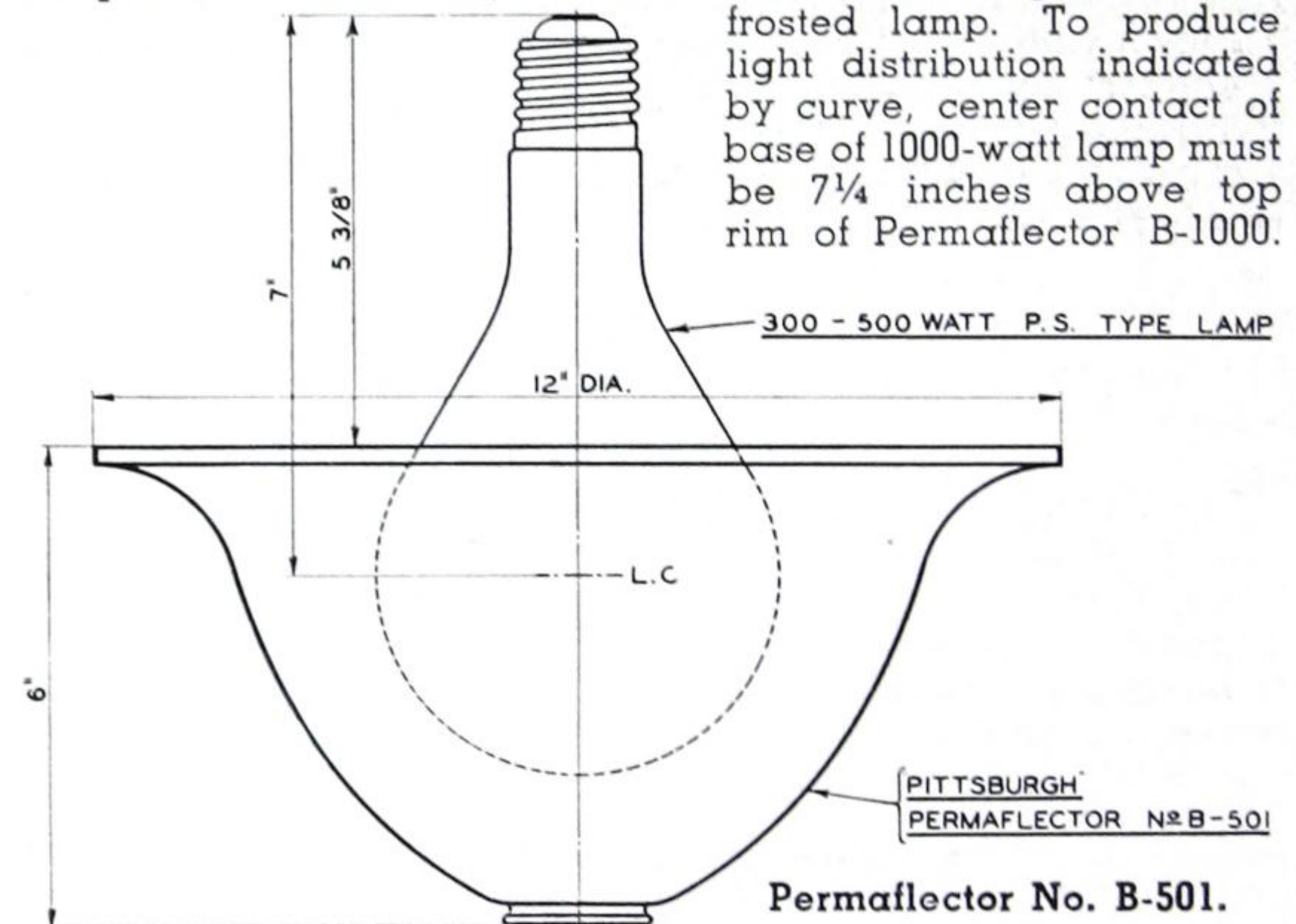
Weight, Approx. 9 lbs.

Code: Permaflexor No. B-1000.....**BEETHOSAN**

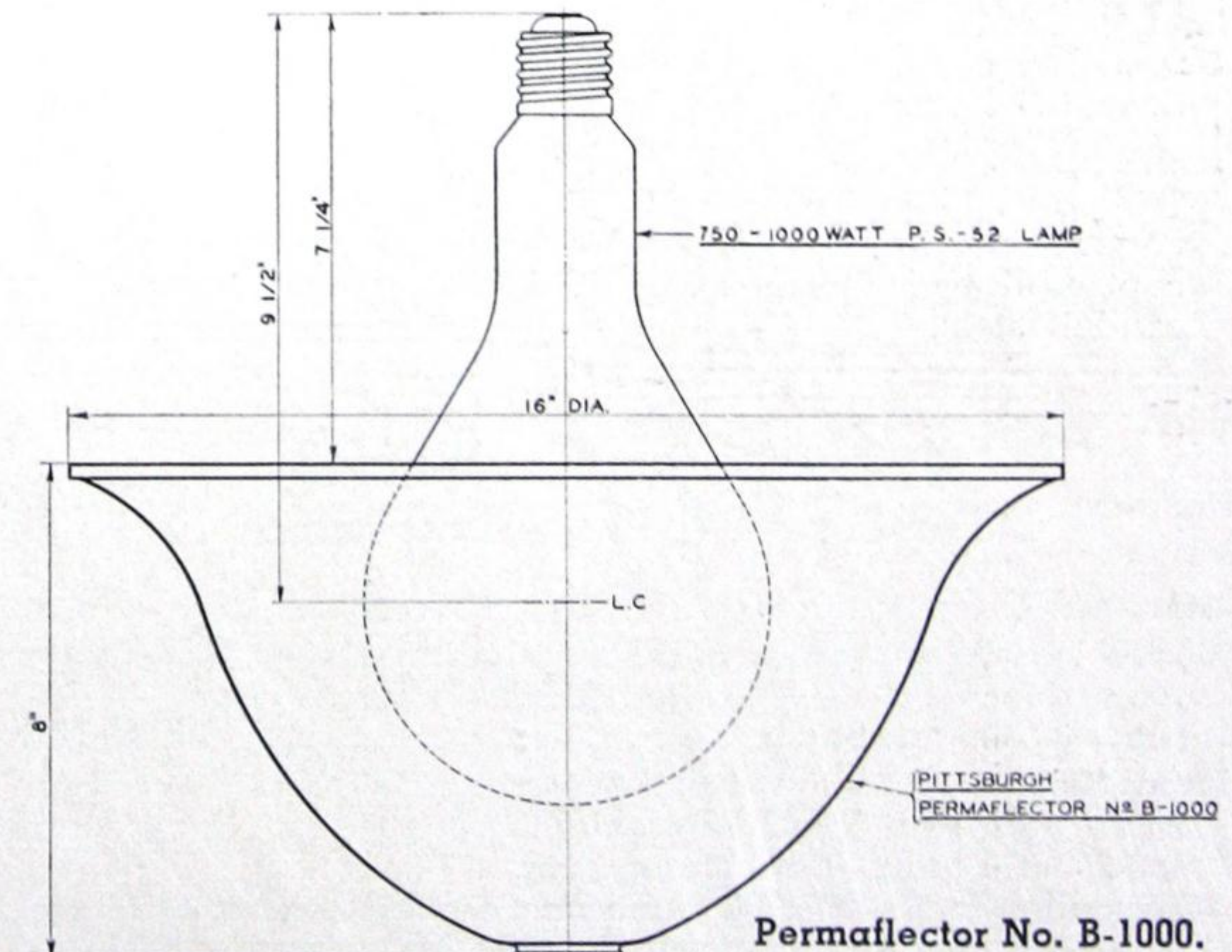
Application—For use in opaque bowl, indirect luminaires such as our Luminaire B-11. (See Fixture Catalog.)

Dimensions—Diameter 16 inches; Depth 8 inches.

Lamps—1000 watt PS-52, 750 watt PS-52. Preferably use inside frosted lamp. To produce light distribution indicated by curve, center contact of base of 1000-watt lamp must be 7¼ inches above top rim of Permaflexor B-1000.

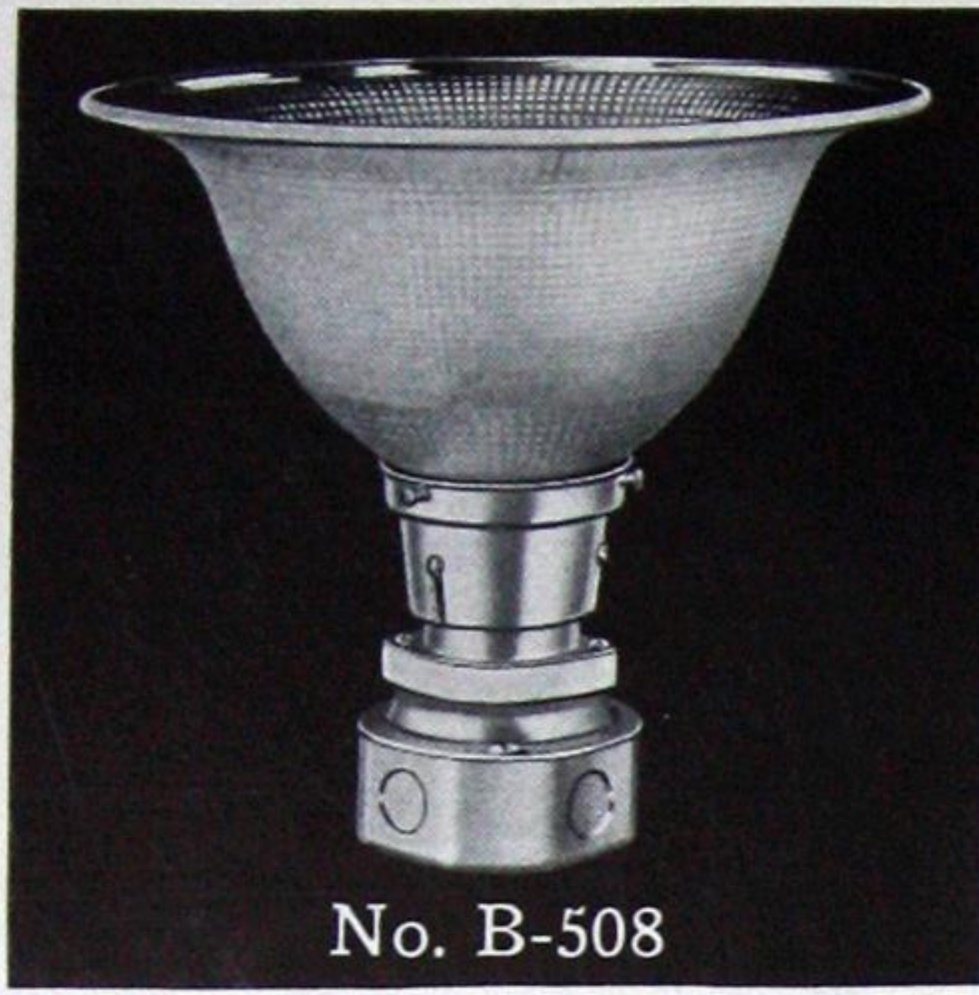


Permaflexor No. B-501.

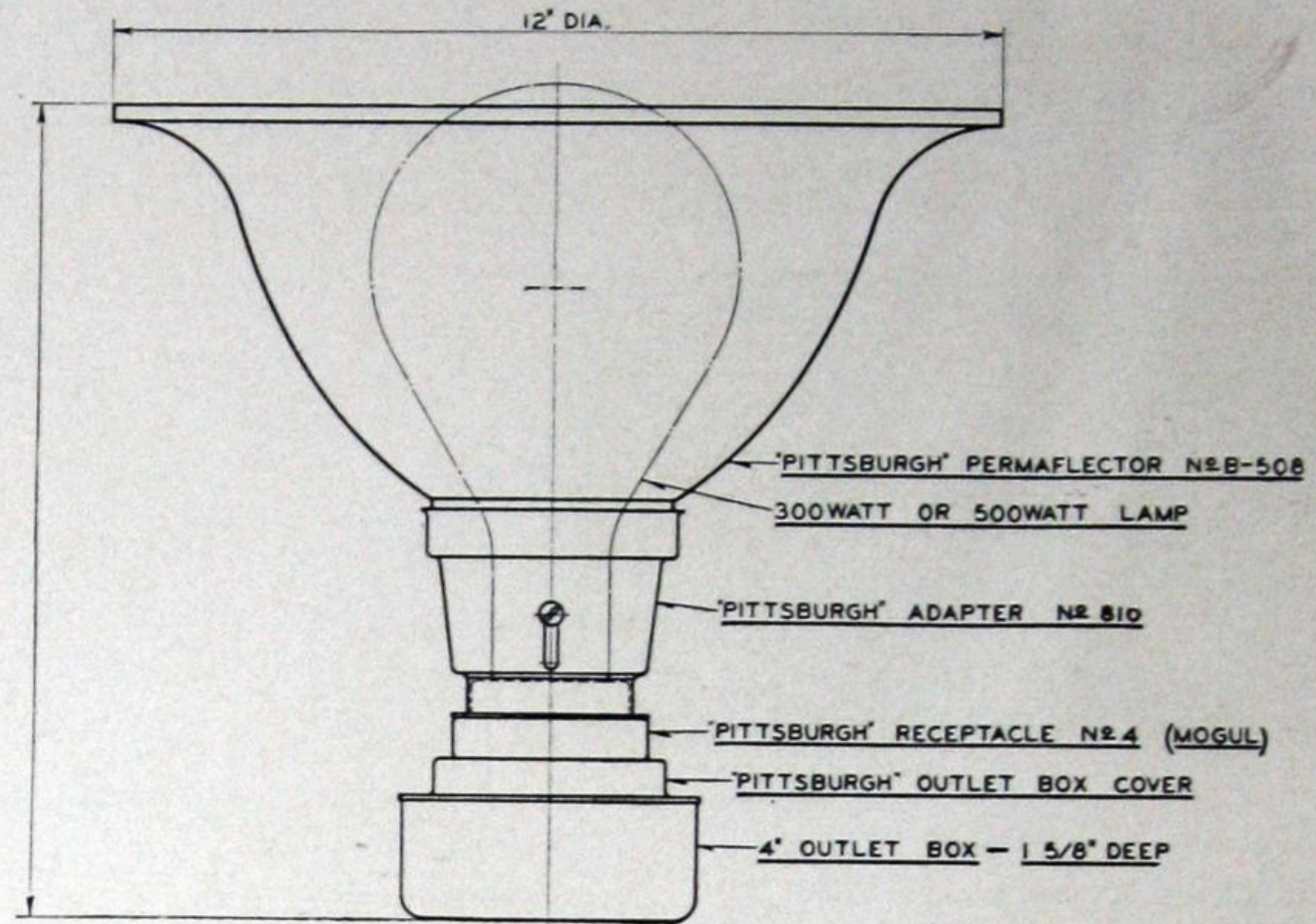
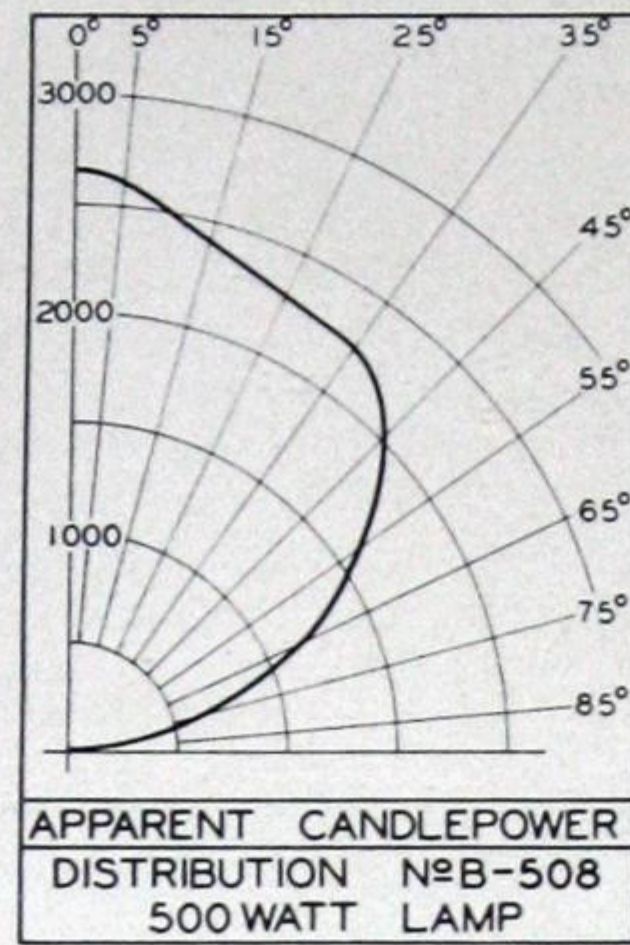


Permaflexor No. B-1000.

Permaflector No. B-508 Series



No. B-508



No. B-508 General Arrangement for Indirect Lighting.

Standard Quantity—7.

Weight, Approx. 44 lbs.

Code: Permaflector No. B-508 including Outlet Box Cover Assembly No. B-3, Adapter No. 810 (compressed), and 4" Octagonal Outlet Box.....**BEEFIVATE**

Permaflector No. B-508-GO (Glass Only).....**BEEFIATGLA**

Application—An excellent reflector for indirect lighting applications from equipment concealed in urns, boxes, floor lamps, or built in the furniture itself. Likewise a good direct lighting reflector set flush in ceiling or installed in lanterns or louvered direct luminaires.

Dimensions—Diameter, 12 inches; Height, overall, 11¼ inches.

Lamp Size—

500 watt PS-40. 300 watt PS-35.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3, Adapter No. 810 compressed and 4" Octagonal Outlet Box.

For Colored Lighting: Use

Color-Lite—No. 14-A.

Direct Lighting Service:

When Recessed in Plaster Ceiling: Use

Plaster Ring—

No. E-500 with Flush Mounting Ring No. E-500.

No. 2-A with Hinged Ceiling Roundel No. 2-A or Hinged Concentric Louver No. 2-A.

When Installed Flush in Ceiling (Not Plastered): Use

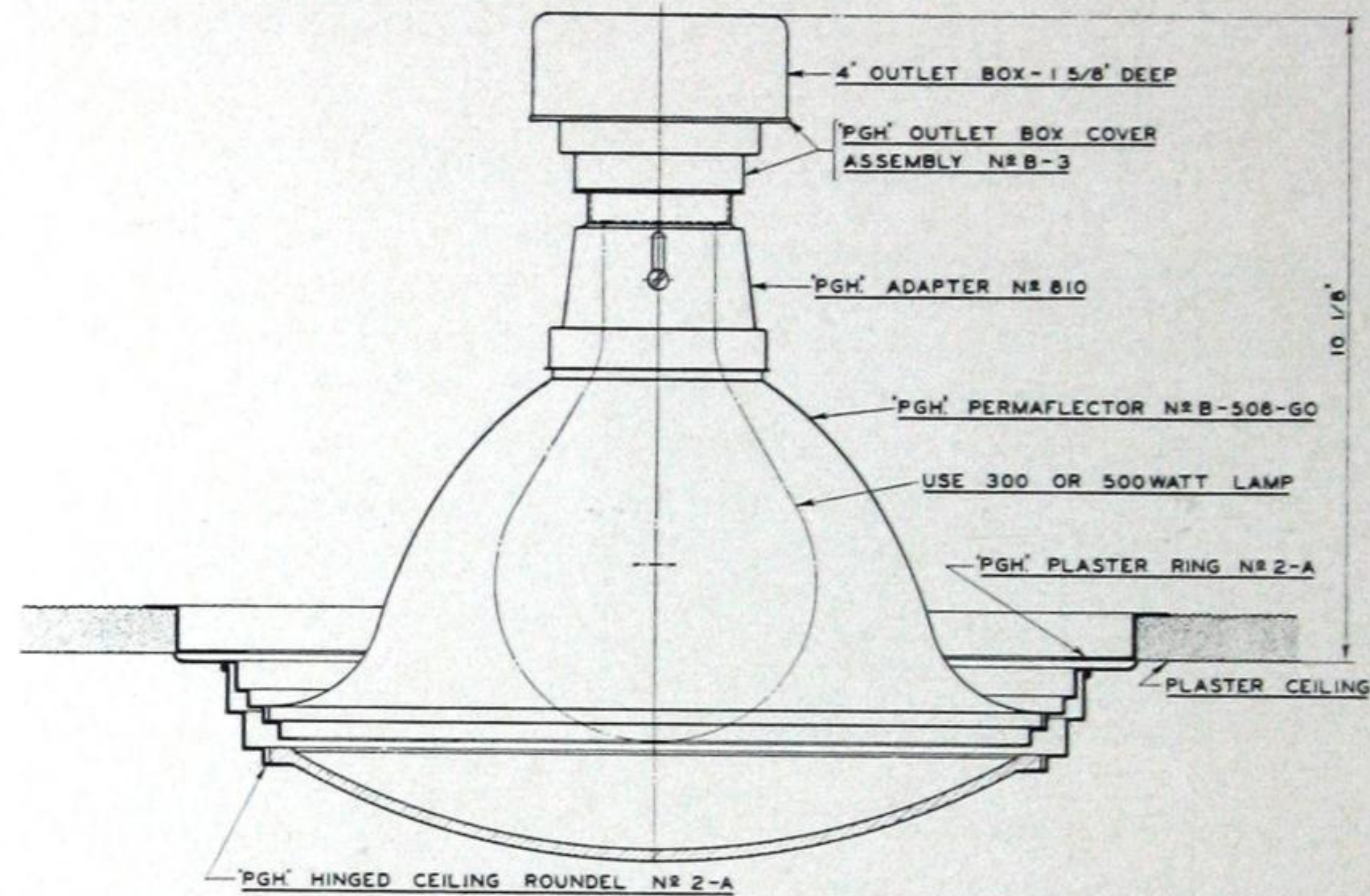
Flush Mounting Ring—No. E-500.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 2-A.

For Louvered Lighting: Use

Hinged Concentric Louver—No. 2-A.



No. B-508-B Recessed in Plaster Ceiling with Hinged Ceiling Roundel No. 2-A.

Permaflector No. B-508-B

Standard Quantity—7.

Weight, Approx. 40 lbs.

Code: Permaflector No. B-508-B including Box No. KO-11, Mogul Socket No. 4 and Adapter No. 810 Compressed.....**BEFIATEBE**

Lamp Size—

500 watt PS-40. 300 watt PS-35.

Permaflector No. B-508-B same as Permaflector No. B-508 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

Permaflector No. B-508-3

For Use With Three-Light Lamp

Standard Quantity—7.

Weight, Approx. 40 lbs.

Code—Permaflector No. B-508-3 including Outlet Box Cover Assembly No. B-33, Adapter No. 810 Compressed and 4" Octagonal Outlet Box.....**BEFIATRE**

Lamp Size—

200-300-500 watt PS-40 Three-Light.

150-200-350 watt PS-35 Three-Light.

Permaflector No. B-508-3 same as Permaflector No. B-508 except equipped with Outlet Box Cover Assembly No. B-33.

Permaflector No. B-508-3B

For Use With Three-Light Lamp

Standard Quantity—7.

Weight, Approx. 40 lbs.

Code: Permaflector No. B-508-3B including Box No. KO-11, Three-Light Mogul Socket No. 5 and Adapter No. 810 Compressed**BEFIATREB**

Lamp Size—

200-300-500 watt PS-40 Three-Light.

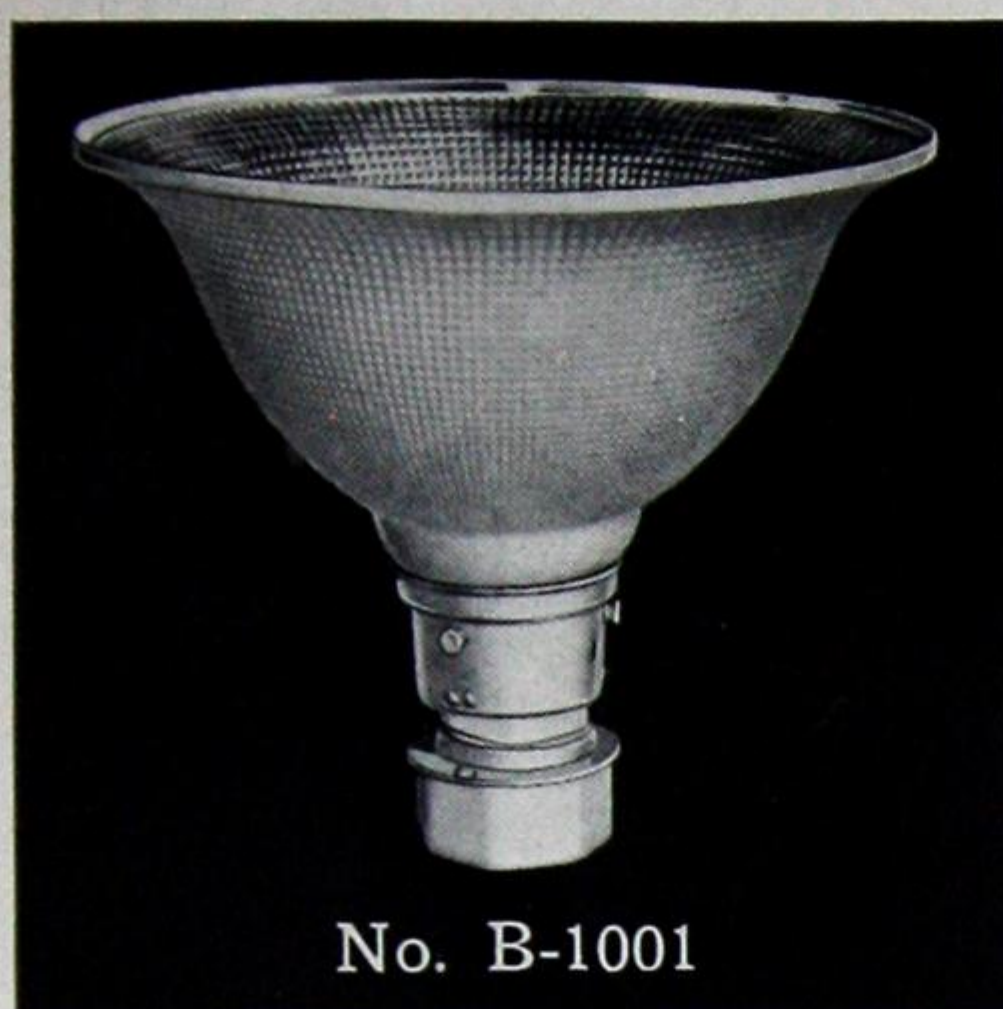
150-200-350 watt PS-35 Three-Light.

Permaflector No. B-508-3B same as Permaflector No. B-508-3 except equipped with Box No. KO-11 for attaching to ½ inch conduit stem.

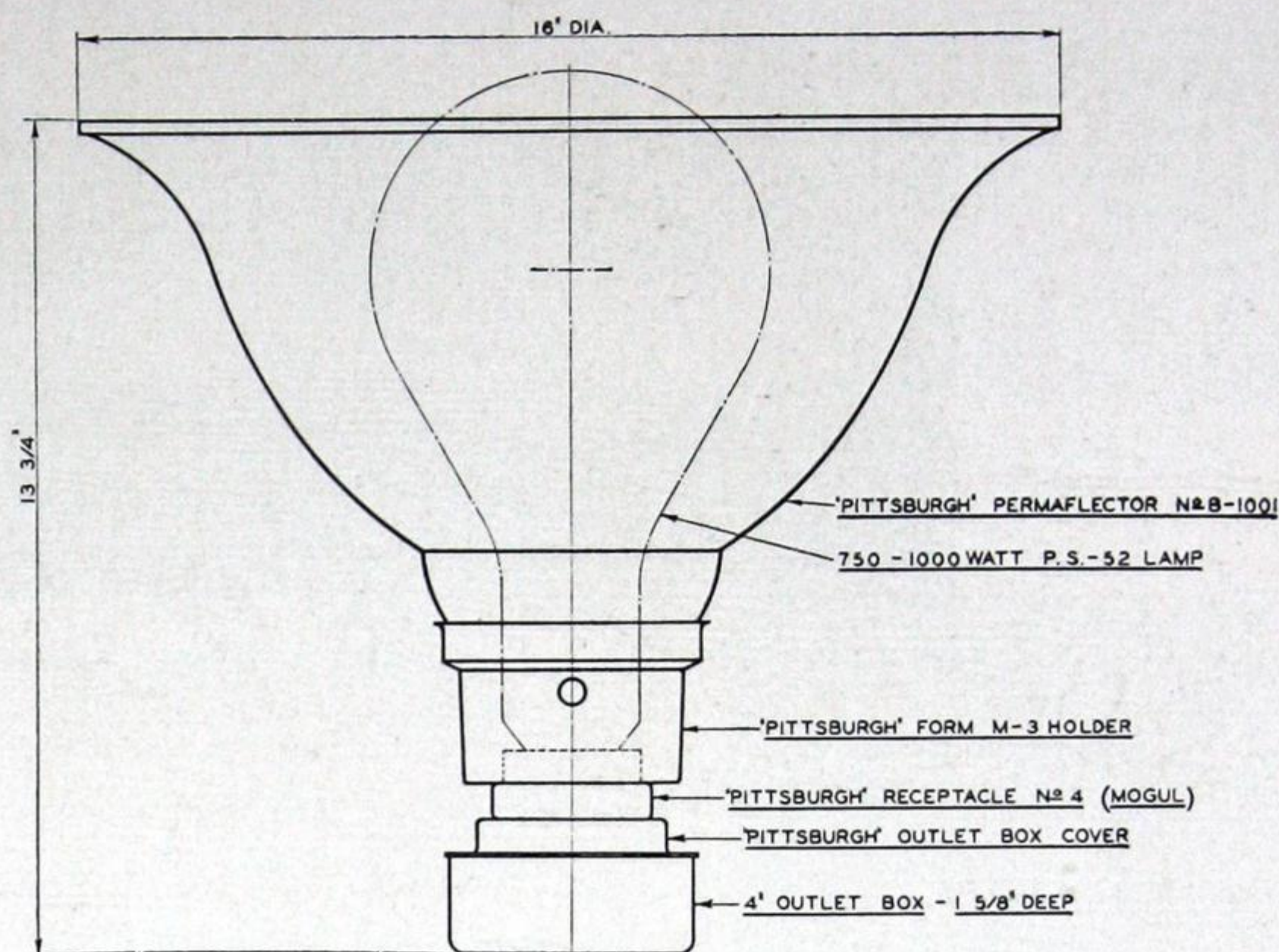
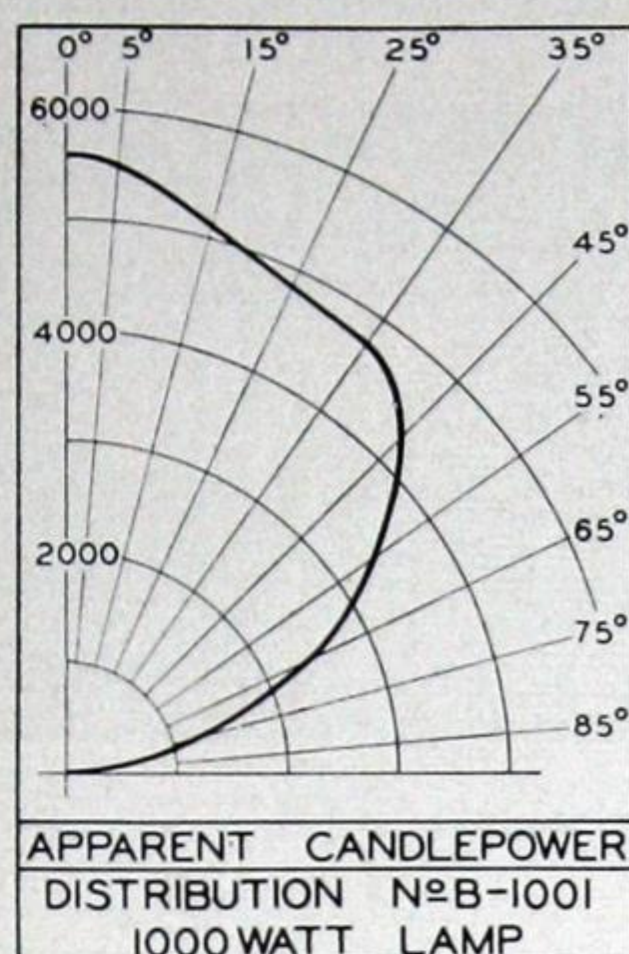
Recessed Lighting

Many merchants favor a clear space free from suspended lighting fixtures. Indirect lighting equipment concealed in or mounted on the store furniture accomplishes this object. Where indirect illumination is not applicable, Permaflectors recessed in the ceiling concealed by glass or louvers are becoming very popular.

Permaflector No. B-1001 Series



No. B-1001



No. B-1001 General Arrangement.
For Indirect Lighting.

Standard Quantity—1.

Weight, Approx. 11 lbs.

Code: Permaflector No. B-1001 including Outlet Box Cover Assembly No. B-3, Holder No. M-3 and 4" Octagonal Outlet Box

BEETENONE

Glass Only (Permaflector No. B-1001-GO) BEETENGLA

Application—An excellent reflector for indirect lighting applications from equipment concealed in urns, boxes, floor lamps, or built in the furniture itself. Likewise a good direct lighting reflector set flush in ceiling or installed in lanterns or louvered direct luminaires.

Dimensions—Diameter, 16 inches; Height, overall, 13 3/4 inches.

Lamp Size—

1000-750 watt PS-52.

Holder—No additional holder required. Furnished complete as shown with Outlet Box Cover Assembly No. B-3, Holder No. M-3 and 4" Octagonal Outlet Box.

When Installed Flush in Ceiling: Use

Flush Mounting Ring—No. I-1000.

When Recessed in Ceiling and Concealed: Use

Hinged Ceiling Roundel—No. 3.

Ceiling Roundel (Not Hinged)—

No. 1575 (with guard). Permaflector must be accessible from space above ceiling.

Permaflector No. B-1001-B

Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: Permaflector No. B-1001-B including Box No. KO-11, Mogul Socket No. 4 and Holder No. M-3

BETENONEBI

Lamp Size—

1000-750 watt PS-52.

Permaflector No. B-1001-B same as Permaflector No. B-1001 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.

Permaflector No. B-1001-3

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: Permaflector No. B-1001-3 including Outlet Box Cover Assembly No. B-33, Holder No. M-3 and 4" Octagonal Outlet Box

BETENONTRE

Lamp Size—

400-600-100 watt PS-52 Three-Light.

Permaflector No. B-1001-3 same as Permaflector No. B-1001 except equipped with Outlet Box Cover Assembly No. B-33.

Permaflector No. B-1001-3B

For Use With Three-Light Lamp

Standard Quantity—1.

Weight, Approx. 10 lbs.

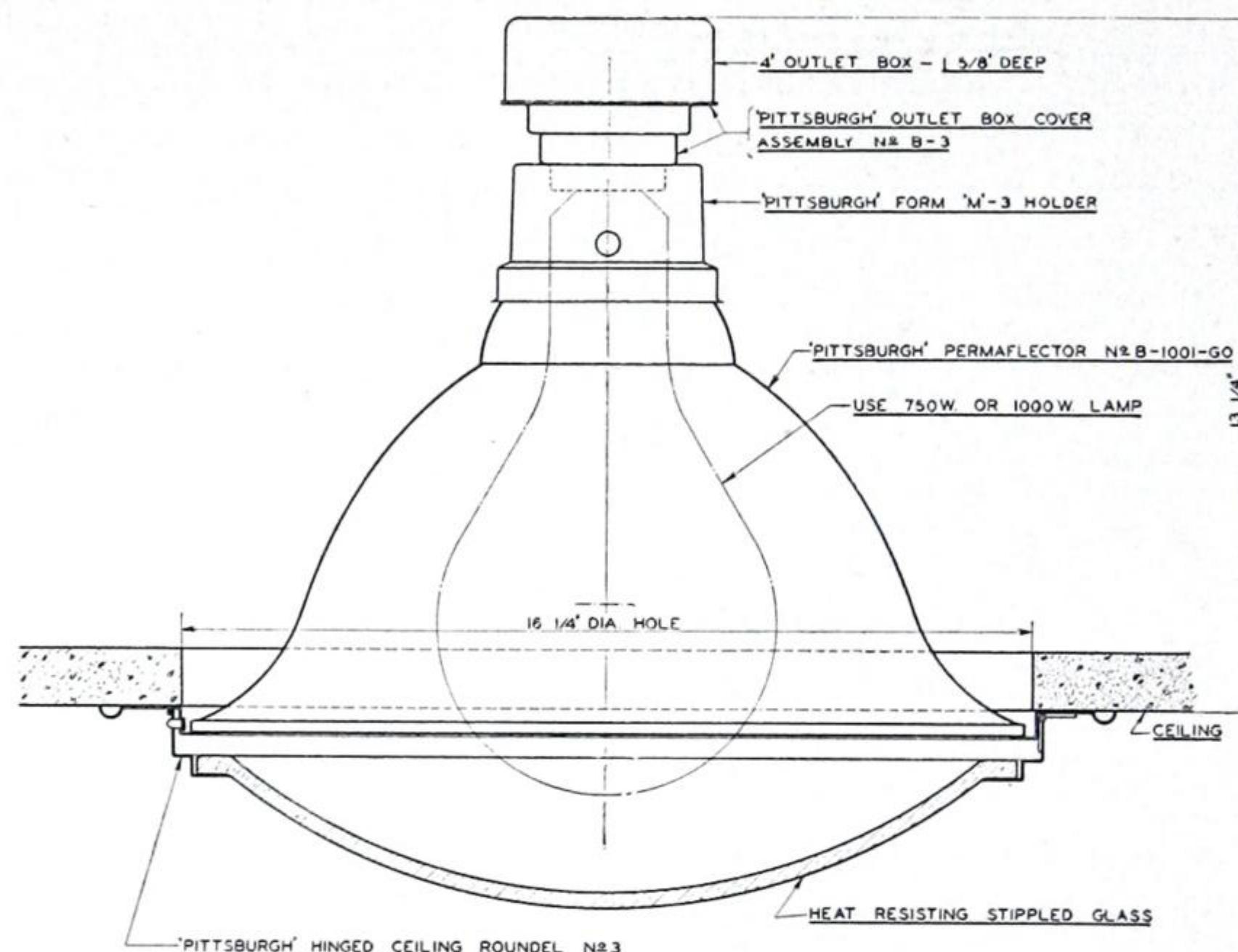
Code: Permaflector No. B-1001-3B including Box No. KO-11, Three-Light Mogul Socket No. 5 and Holder No. M-3

BETENOTREB

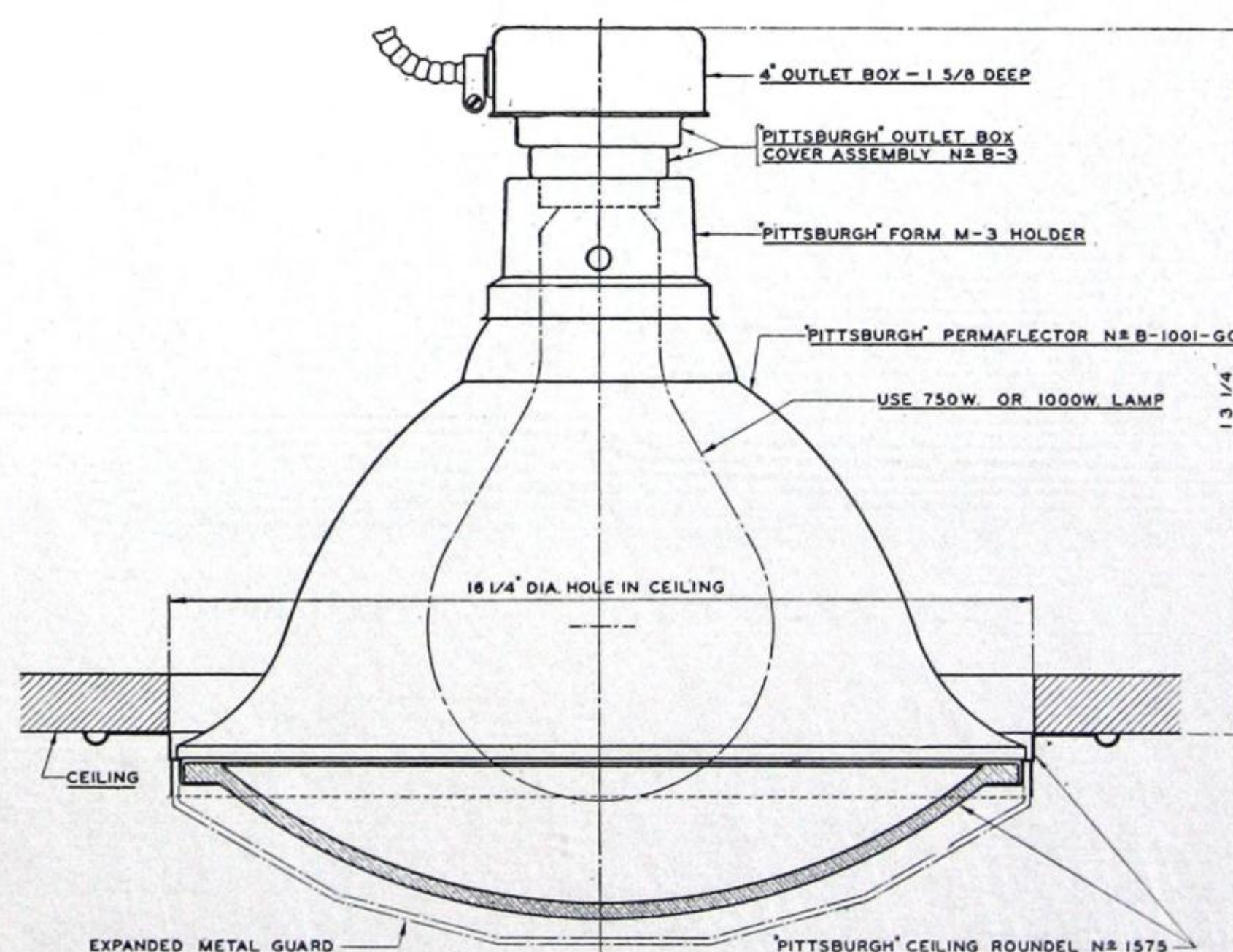
Lamp Size—

400-600-1000 watt PS-52 Three-Light.

Permaflector No. B-1001-3B same as Permaflector No. B-1001-3 except equipped with Box No. KO-11 for attaching to 1/2 inch conduit stem.



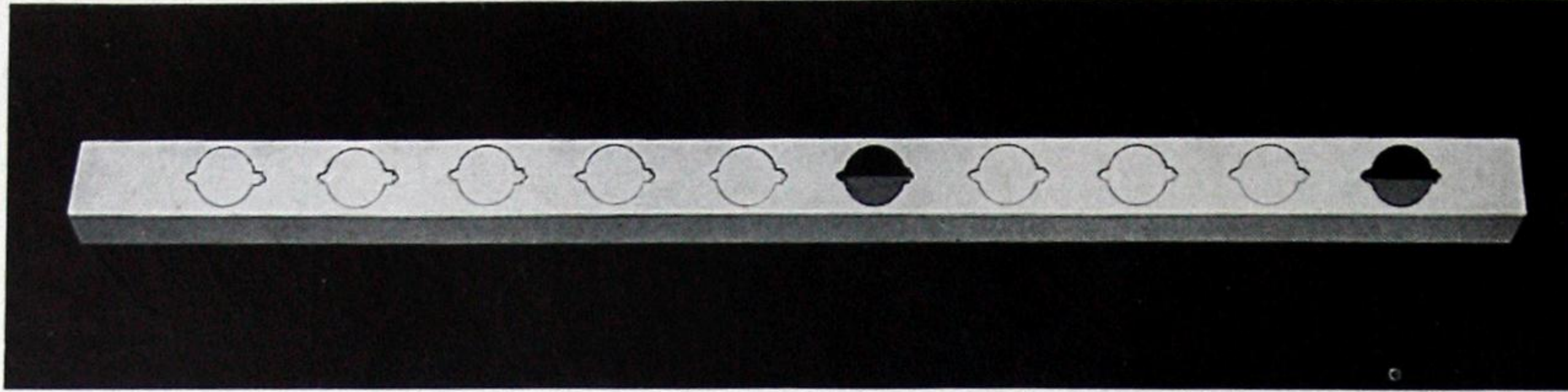
No. B-1001-B Direct Lighting Recessed in Ceiling
with Hinged Ceiling Roundel No. 3.



No. B-1001-B, Direct Lighting, Recessed in Ceiling,
Accessible from Above.

Permaflector Knock Out Strip

Patented



No. KO-1. Furnished in 10-foot Lengths with Knock Outs 3 inches on Centers

Knockout Strip

Permaflector Knockout Strip is wiring duct or conduit for unit assembly of reflector type illumination equipment. Provides a time and money-saving method of installation in show windows and for many other applications. May be used with any standard reflector and shade holder.

It consists of two main parts: the face and the back. The face is provided with suitably shaped knock-outs spaced three inches on centers, providing for quick installation of sockets on any desired spacing. The back fits closely over the face covering three sides of the strip, assuring ample protection to the wiring.

The square shape of Knockout Strip is a new idea in wiring duct construction. With Knockout Joint No. KO-4, it is now possible to turn corners vertically as well as horizontally.

Requires no bending, drilling or punching and a minimum of cutting on the job. Hack-saw and screw-driver are the only tools required.

Material is corrosion-proof and finished in standard Permaflector silver colored satin finish.

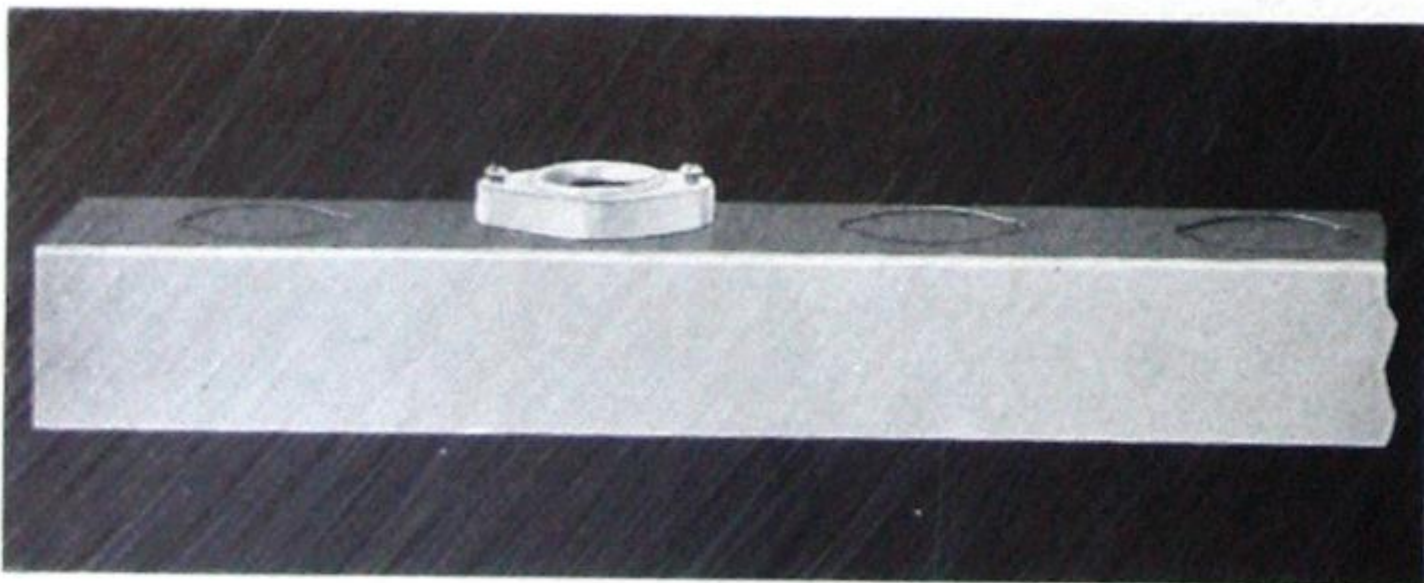
Permaflector Knockout Strip is furnished in standard ten-foot lengths.

Size— $1\frac{1}{4}$ in. square.

Standard Quantity—Six 10-ft. lengths.

Weight, Approx. 80 lbs.

Code: **KAYOSTRIP**



Knockout Socket Inserted in Knockout Strip

The screws for attaching the Permaflector Adapter or shade holder when tightened engage the slots in the Knockout Strip, thus locking the socket firmly in position. The wiring is easy and simple; the back member being off, the binding screws in the sockets are exposed, convenient for quick wiring. Weight of reflector carried on lugs of socket.

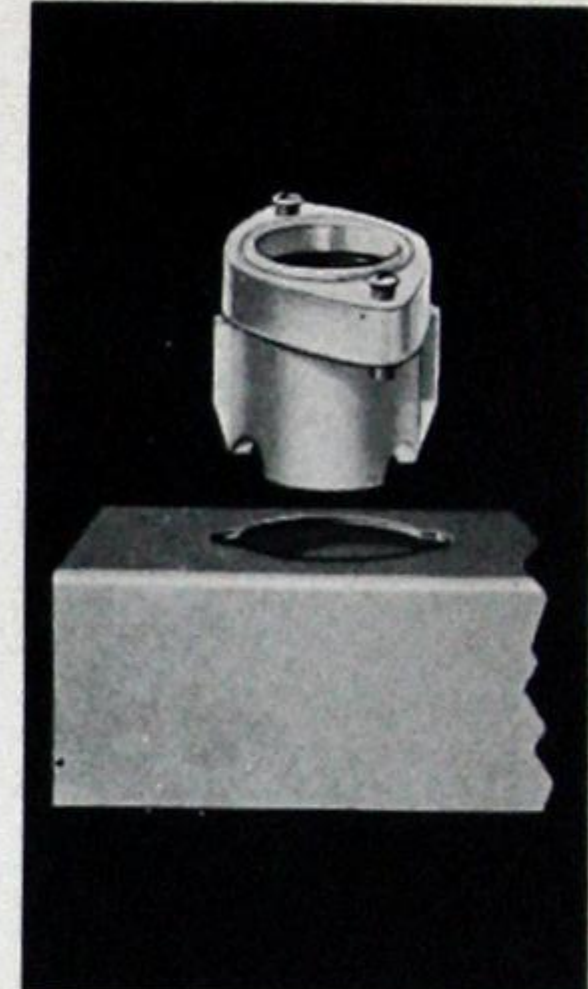
Knockout Socket

Permaflector Knockout Socket is a porcelain medium screw socket especially designed for Knockout Strip. It has no springs or other parts to get out of order. Merely insert socket in knockout opening and turn. The socket can be inserted in only one position, thus automatically fixing the polarity and lining up the conductor connections.

Standard Quantity 60

Weight, 13 lbs.

Code: **KAYOSOCK**



Socket No. KO-8

To Attach Adapters

Loosen the two screws in socket. Place large holes of openings in rim of adapter over the screw heads, and turn slightly so that screw heads engage in smaller portion of the openings. Then tighten screws (screw heads are then within the adapter).



Do not attempt to assemble by putting the receptacle inside the adapter. The "S" Holder and the Knockout Fitter No. KO-9 are attached in same manner as adapters.

Knockout Fitter

Provides shade holder groove for attaching any standard holder. It is attached in same manner as adapters.

Standard Quantity—25.

Weight, 1 lb.

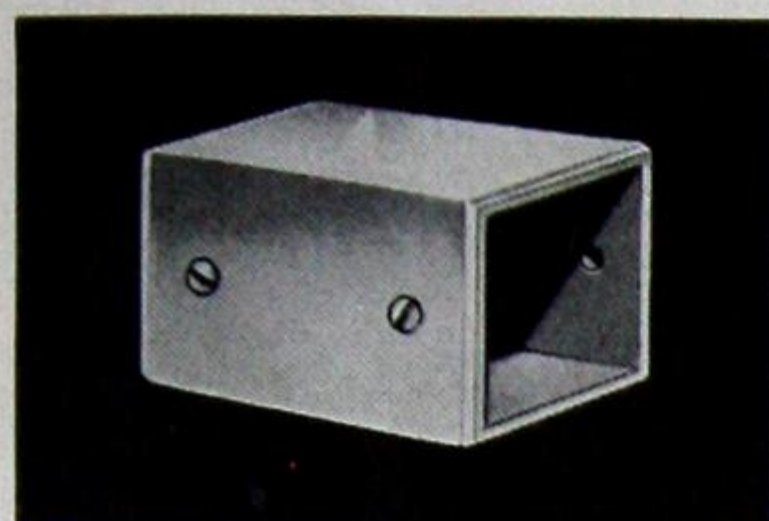
Code **KAYOFITTER**



Fitter No. KO-9

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Knockout Coupling



Coupling No. KO-3

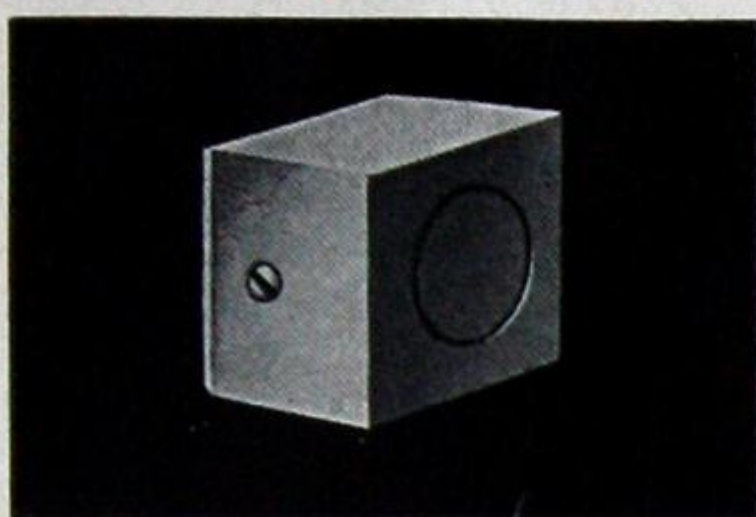
Permaflexor Knockout Coupling is used for joining together lengths of Knockout Strip. It is fixed in position by means of set screws.

Standard Quantity—10.

Weight, 7 lbs.

Code:KAYOCOUP

Knockout End



End No. KO-2

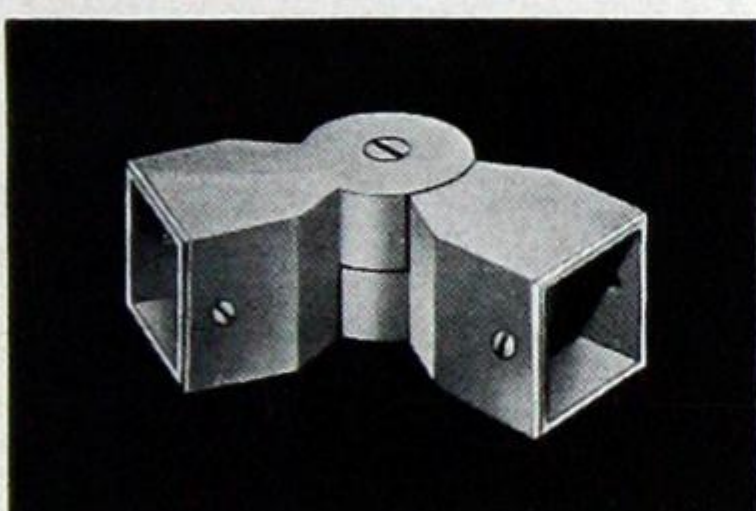
Permaflexor Knockout End is used at the end of Knockout Strip. It is provided with a knockout for standard 3/4-inch conduit or BX connector. It is held fixed by set screws furnished.

Standard Quantity—10.

Weight, 4 1/2 lbs.

Code:KAYEND

Knockout Joint

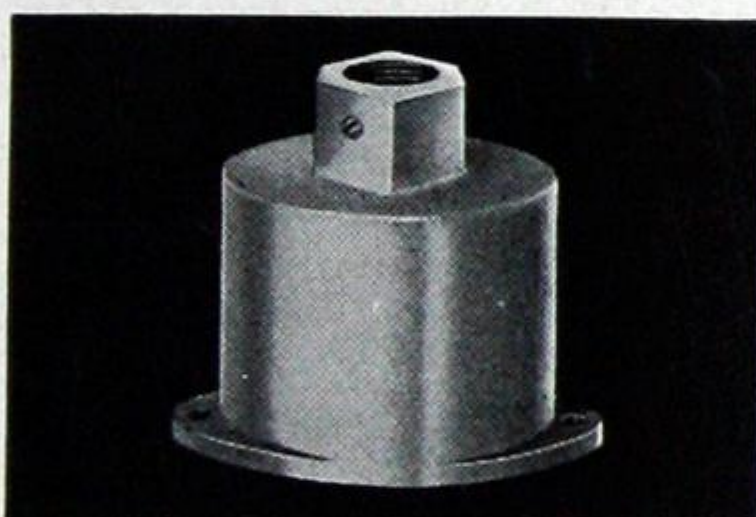


Joint No. KO-4

Permaflexor Knockout Joint slips over the Knockout Strip and is fixed in place by the set screws. Permits any angle to be made between adjacent sections of Knockout Strip from 65 to 180 degrees, inclusive. Being square it is reversible on the Knockout Strip.

Standard Quantity—8. **Weight**, 14 lbs. **Code:** KAYOJOINT

Knockout Box

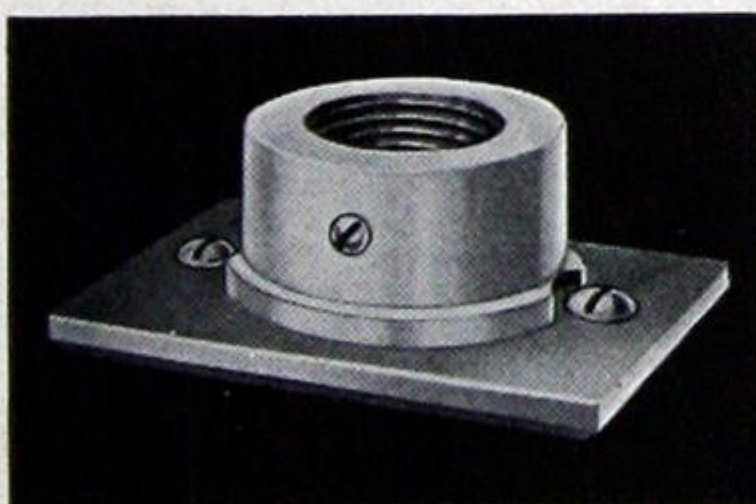


Box No. KO-11

Attaches to 1/2 inch conduit stem hanger or nipple. Accommodates Mogul Socket No. 4 and No. 5 and Holders used therewith as used with Permaflexors No. 500, 555, E-500 and I-505. In combination with Knockout Strip, Knockout Hub No. KO-10, 1/2 inch nipple or hanger, provides the convenient method of wiring.

Standard Quantity—10. **Weight**, 7 lbs. **Code:** KAYOBOX

Knockout Hub



Hub No. KO-10

Fits into Knockout in face of Strip and is fixed in position by two screws. Permits attachment of 500-watt reflector equipment supported on 1/2 inch conduit stems. Makes it possible to enter face of Strip at any convenient point either with 1/2 inch rigid conduit, cord and 1/2 inch porcelain bushing or armored cable and 1/2 inch cable connector. Particularly useful for flush mounting window lighting installations, where connection from wiring duct to individual reflectors is made by means of armored cable.

Standard Quantity—10.

Weight, 3 lbs.

Code:KAYOHUB

As hub appears when in place in conduit

Knockout Flange



Flange No. KO-12

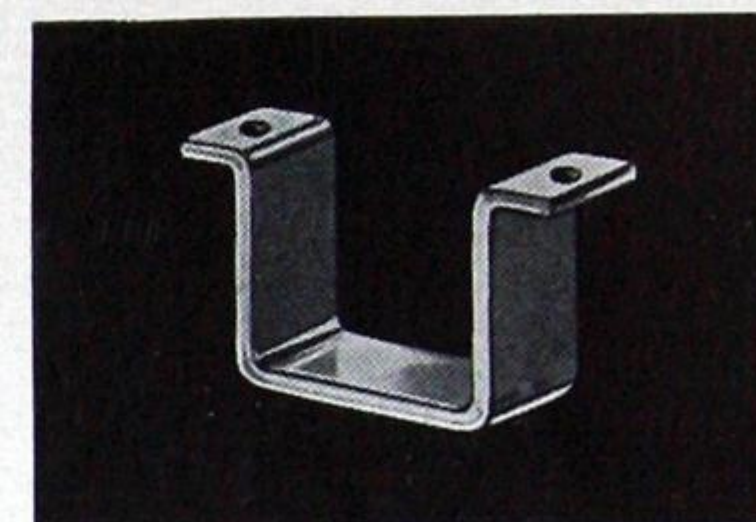
Screws into Hub No. KO-10, Flange provides base for support of Permaflexor Interior Spots and Floods. Three No. 8/32 machine screws furnished for fastening spot and flood bases in position.

Standard Quantity—10.

Weight, 2 1/4 lbs.

Code:KAYOFLANGE

Knockout U-Strap



U-Strap No. KO-7

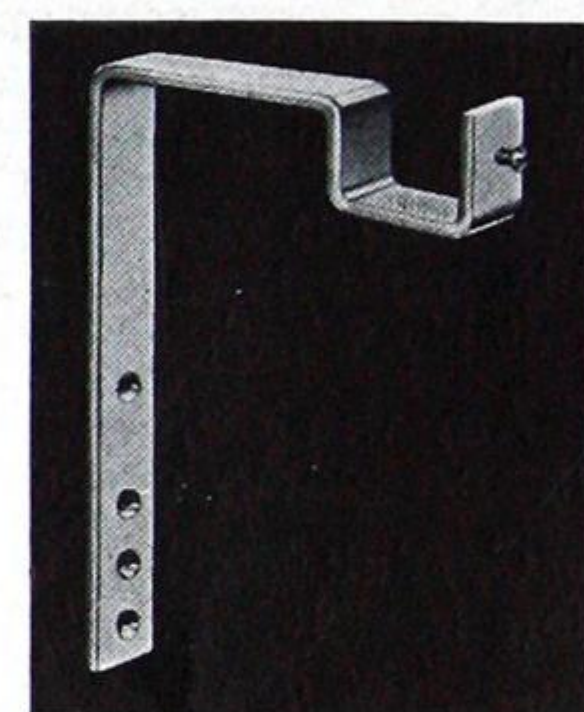
Permaflexor Knockout U-Strap is designed for surface mounting of Knockout Strip. It fits neatly around the Knockout Strip. Use No. 9 wood screw for fastening in position.

Standard Quantity—10.

Weight, 2 lbs.

Code:KAYUSTRAP

Knockout Bracket



Bracket No. KO-5

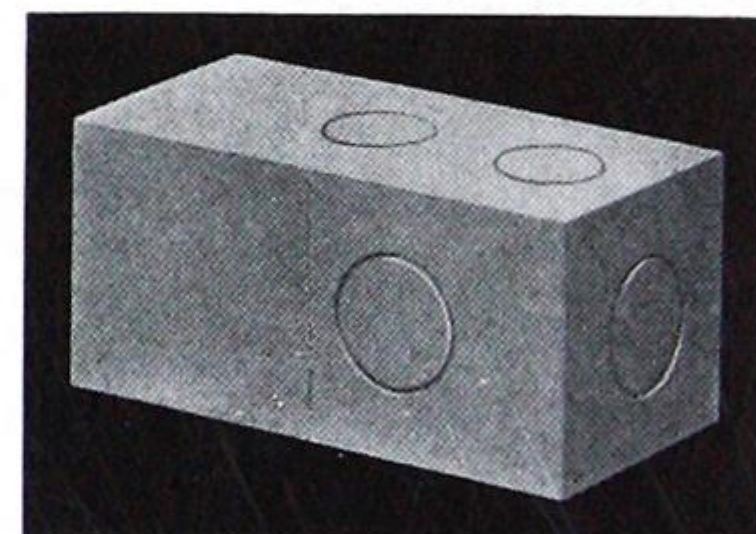
Permaflexor Knockout Bracket is designed for supporting Knockout Strip from the transom bar, or other vertical surfaces. A set screw furnished in the Knockout Bracket fixes the Knockout Strip in position. Use No. 9 wood screw for fastening in position.

Standard Quantity—6.

Weight, 9 lbs.

Code:KAYOBRAK

Knockout Splice Box



Splice Box No. KO-14

Permaflexor Knockout Splice Box is used at the end of Knockout Strip instead of End KO-2, where it is desired to enter with more than one conduit or armored cable. It has removable cover for access to box when splicing wires; and has 3/4 inch Knockout in bottom and in end and two 1/2 inch Knockouts in each side.

Standard Quantity—8.

Weight, 9 lbs.

Code:KOSPLI

Knockout Hanger

Permaflexor Knockout Hanger is used for supporting Knockout Strip at a distance below the ceiling. It is adjustable from 20 to 37 inches and if legs are cut with hack-saw at desired points, can be used for shorter suspension than 20 inches. A set screw fixes Knockout Strip in position. Use No. 9 wood screws for fastening in position.

Standard Quantity—6.

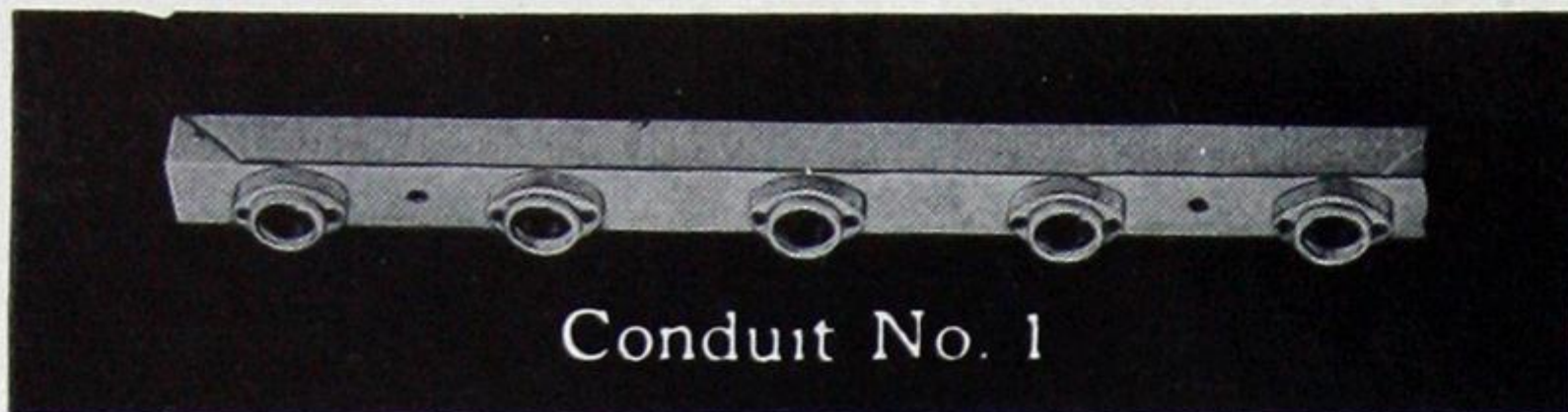
Weight, 15 lbs.

Code:KAYOHANG

Hanger No. KO-6



Pittsburgh Easy-to-Install Conduit



Conduit No. 1

"Easy-to-Install" Conduit No. 1

Code: Conduit No. 1.....CONDUTONE

"Easy-to-Install" Conduit No. 1 in combination with Perma-reflectors constitute "a window lighting system." Conduit, receptacles, holders and Permareflectors, all harmonize in silver colored satin finish.

This conduit provides a time and money-saving method of installing lamps in show windows, especially when close centering of the lamps is needed. Quickly installed, being fastened to ceiling by screws going through conduit or supported on brackets.

"Easy-to-Install" Conduit avoids necessity of cutting through ceiling or wall for each receptacle and makes it possible to space lamps properly to get even light distribution. **Made to order to fit each job.**

Consists of 20-gauge galvanized steel channel fitted with the necessary porcelain receptacles not wired and with or without holders for Permareflectors.

Wiring is very simple: the back member being lifted off, the binding screws in the receptacles are exposed; can then be quickly wired.

Any window, case or industrial type Perma-reflector of 200-watt lamp capacity or less may be used with Conduit No. 1.

Conduit No. 1 is also used in cove lighting with Perma-reflectors Nos. 105, 54, 73, 55, 110, 25, 26, 28 and 29.

Size—1 3/8 inches high, 1 3/4 inches wide. Furnished with socket No. 1, not wired, and blank ends with 1/2-inch Knockout. No charge for splicings. Accommodate six No. 12 wires.

"Easy-to-Install" Conduit No. 12

Code—Conduit No. 12.....CONDUTWEL

"Easy-to-Install" Conduit No. 12 same as Conduit No. 1 except equipped with grooved porcelain socket No. 2.

"Easy-to-Install" Conduit No. 6

Code: Conduit No. 6.CONDUSIX

Consists of 20-gauge galvanized steel channel, punched to accommodate Mogul No. 4 Socket, not wired. For use with Permareflectors Nos. 300, 500, 555, C-300, C-500, I-505 and E-500, mogul sockets and holders of which attach directly to the conduit. Will accommodate about 6 circuits, or 12 No. 12 wires.

Size—2 1/8 inches high; 2 3/4 inches wide.

"Easy-to-Install" Conduit No. 61

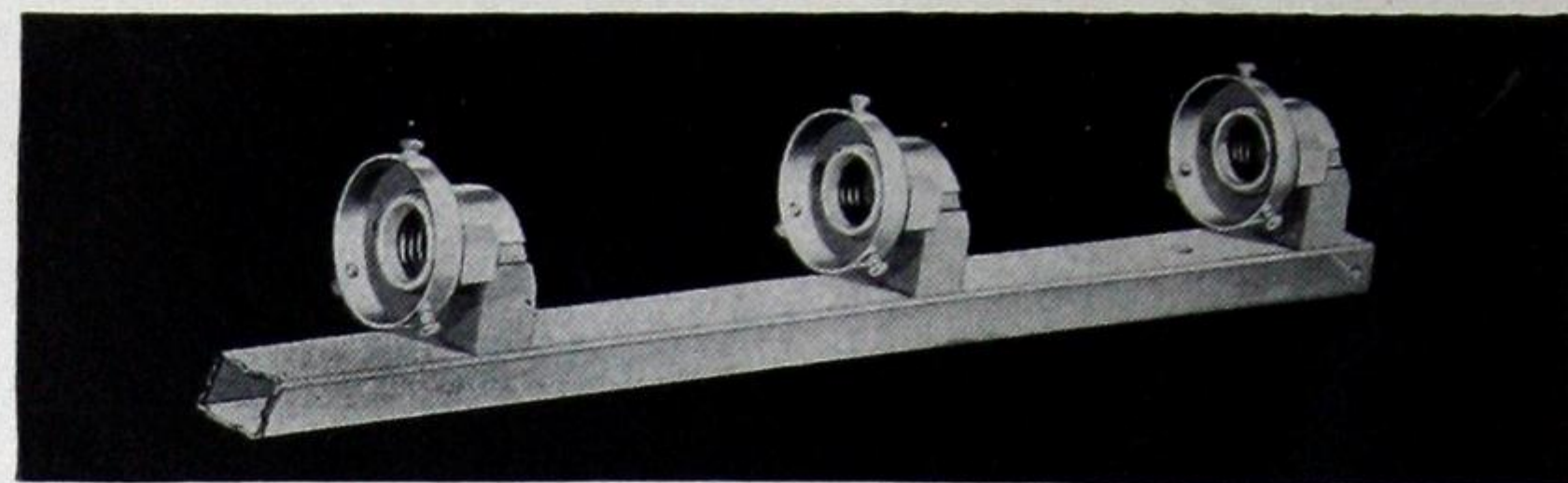
Code: Conduit No. 61.....CONDUSIXON

"Easy-to-Install" Conduit No. 61 same as Conduit No. 6 except equipped with Socket No. 1.

"Easy-to-Install" Conduit No. 62

Code: Conduit No. 62.....CONDUSIXTU

"Easy-to-Install" Conduit No. 62 same as Conduit No. 6 except equipped with grooved porcelain socket No. 2.



"Easy-to-Install" Conduit No. 2-A

Code: Conduit No. 2-A with 2 1/4" Form 'S' holder.....CONDITUAYE

Conduit No. 2-A with 2 1/4" Form 'SL' holder.....CONDUTESEL

Conduit No. 2-A with 2 1/4" Form 'L' holder.....CONTUAYEL

"Easy-to-Install" Conduit No. 2-A same as Conduit No. 1 except equipped with Angle Socket No. 3 and 2 1/4" Form 'S', 'SL', or 'L' holder for use with 'P' Type Permareflectors.

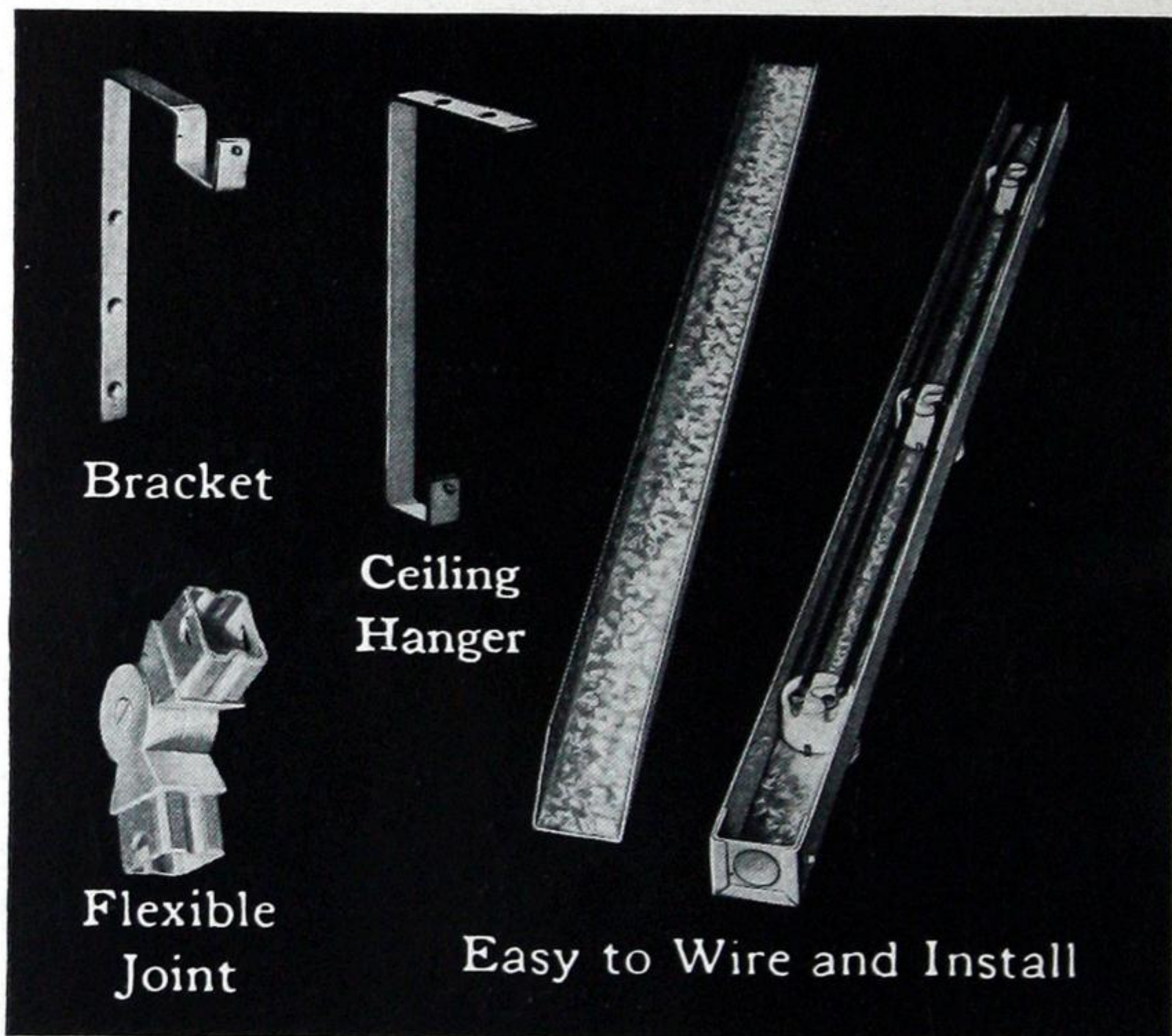
"Easy-to-Install" Conduit No. 63

Code: Conduit No. 63 with 2 1/4" Form 'S' holder.....CONSIXTRES

Conduit No. 63 with 2 1/4" Form 'SL' holder.....CONSIXESEL

Conduit No. 63 with 2 1/4" Form 'L' holder.....CONSIXTREL

"Easy-to-Install" Conduit No. 63 same as Conduit No. 6 except equipped with Angle Socket; No. 3 and 2 1/4" Form 'S', 'SL', or 'L' holder for use with 'P' Type Permareflectors.



Conduit Fittings

Convenience Outlets, Socket No. 1—Code:CONDUTOUT

Convenience Outlets, flush plug receptacle—

Code:CONDUFLUSH

Flexible Joints, No. FJ-1, (for use with Conduit No. 1, No. 12 and No. 2-A)—Code:CONJOINT

Flexible Joints, No. FJ-6, (for use with Conduit No. 6, No. 61, No. 62 and No. 63)—Code:CONSIXJOIN

U-Straps, No. U-1, (for use with Conduit No. 1, No. 12 and No. 2-A)—Code:USONE

U-Straps, No. U-6, (for use with Conduit No. 6, No. 61, No. 62 and No. 63) Code:USSIX

End Caps, free with conduit.

Additional End Caps, No. EC-1, (for use with Conduit No. 1, No. 12 and No. 2-A)—Code:ENDCAPONE

Additional End Caps, No. EC-6, (for use with Conduit No. 6, No. 61, No. 62 and No. 63) Code:ENDCASIX

For Transom Bar Brackets, see page 56.

For Ceiling Hangers, see page 56.

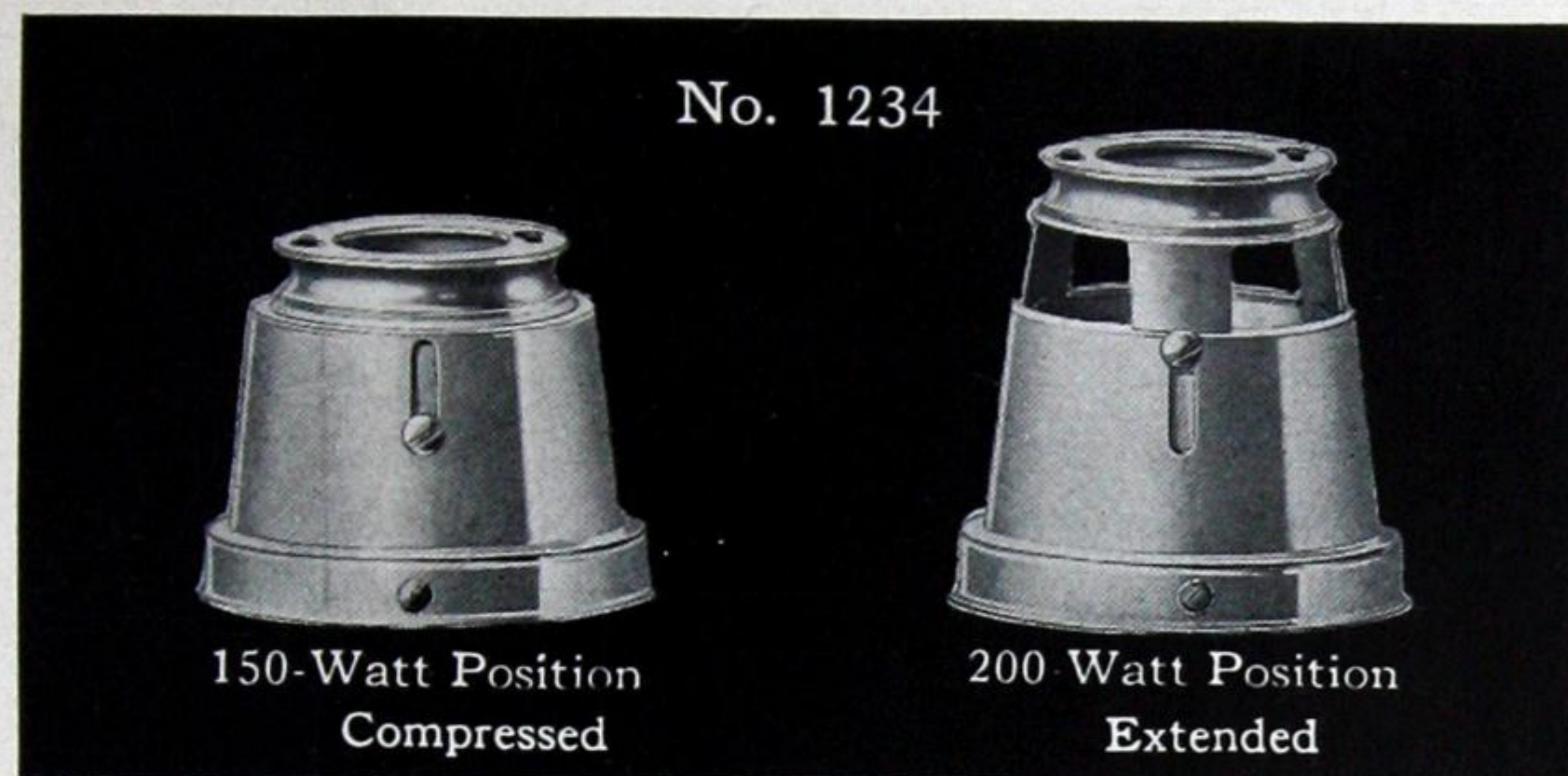
For Sockets, see page 56.

Adapters and Holders

Adapters No. 1234 and No. 1256

Designed to be supported from 2 1/4" Form 'OB' or 'OP' holders, or attached directly without the use of shade holders, to Permaflexor "Easy-to-Install" Conduit No. 1, Box Cover Assemblies No. 1, or Knockout Strip.

The use of the wrong adapter changes the focal center of the lamp in its relation to the reflector, hence alters the distribution of the lighting and lessens the lighting effectiveness. The adapter is a part of the reflector and must be used therewith.

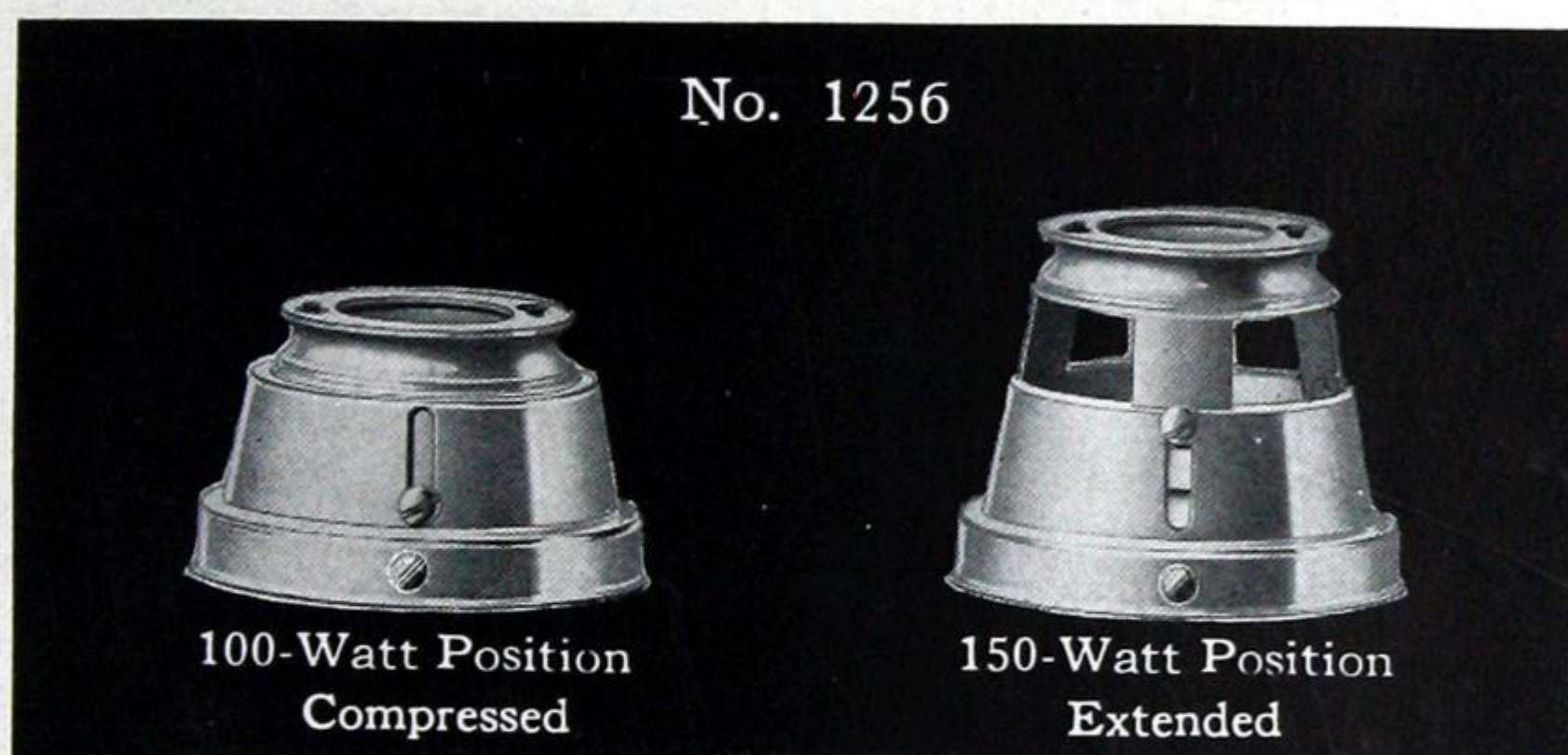


Adapter No. 1234

Standard Quantity—50.

Weight, Approx. 17 lbs.

Code: ADAPTREFOR



Adapter No. 1256

Standard Quantity—50.

Weight, Approx. 16 lbs.

Code: ADAPTFISIX



Adapter No. 1234-R

Adjustability same as No. 1234. For use with grooved porcelain medium base sockets.

Standard Quantity—50.

Weight, Approx. 17 lbs.

Code: ADATRIFOAR



Adapter No. 1256-R

Adjustability same as No. 1256. For use with grooved porcelain medium base sockets.

Standard Quantity—50.

Weight, Approx. 16 lbs.

Code: ADAFISIXAR



Adapter No. 21

Adapter No. 21 is a safety holder used exclusively for Permaflexor No. 88.

Standard Quantity—50.

Weight, Approx. 15 lbs.

Code: ADAPTUONE



Adapter No. 42

Adjustability same as No. 1256. For use with Mogul Socket No. 4 and Two Filament Mogul Socket No. 5.

Standard Quantity—50.

Weight, Approx. 16 lbs. Code:HOLDFORTU



Adapter No. 810

Adjustability same as No. 1234. For use with Mogul Socket No. 4 and Two Filament Mogul Socket No. 5.

Standard Quantity—50.

Weight, Approx. 16 1/2 lbs. Code:HOLDATETEN



Holder No. M-3

This is a 4" safety holder for use with Mogul Socket No. 4 and Two Filament Mogul Socket No. 5.

Standard Quantity—50.

Weight, Approx. 21 1/2 lbs. Code:HOLDEMTRE



Holder No. 12-A

This is a 4" safety holder for use with Permaflexor No. C-300 series.

Standard Quantity—50.

Weight, Approx. 27 lbs. Code:HOLDTWELVE



Holder No. M-10

This is a 4" safety holder for use with Permaflexor No. I-1001 series.

Standard Quantity—50.

Weight, Approx. 22 lbs.

Code:HOLDEMTEN



2 1/4" Form 'S' Holder

Standard Quantity—50.

Weight, Approx. 4 lbs.

Code:HOLDESS



3 1/4" Form 'S' Holder

Standard Quantity—50.

Weight, Approx. 8 1/2 lbs.

Code:HOLTRESS



2 1/4" Form 'SL' Holder

Standard Quantity—50.

Weight, Approx. 6 lbs.

Code:HOLDESL



2 1/4" Form 'L' Holder

Standard Quantity—50.

Weight, Approx. 6 1/2 lbs.

Code:HOLDEREL



2 1/4" Form 'LC' Holder

Standard Quantity—50.

Weight, Approx. 7 lbs.

Code:HOLDELSEE



2 1/4" Form 'LCA' Holder

Standard Quantity—50.

Weight, Approx. 8 1/2 lbs.

Code:HOLDERCA



2 1/4" Form 'OB' Holder

Standard Quantity—50.

Weight, Approx. 4 lbs.

Code:HOLDUB



2 1/4" Form 'HB' Holder

Standard Quantity—50.

Weight, Approx. 6 lbs.

Code:HOLDIBEE



2 1/4" Form 'OP' Holder

Standard Quantity—50.

Weight, Approx. 4 1/2 lbs.

Code:HOLDEROP



2 1/4" Form 'HP' Holder

Standard Quantity—50.

Weight, Approx. 5 1/2 lbs.

Code:HOLDERPEE

Permaflexor Sockets



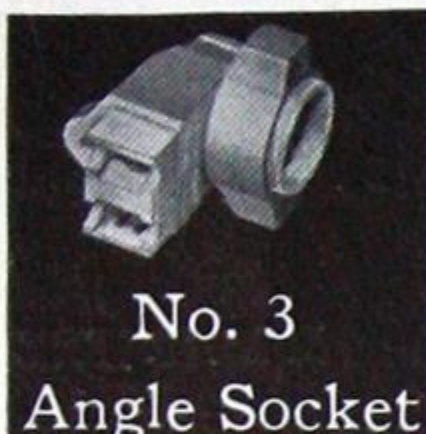
Porcelain Socket No. 1 (Medium Base)

Standard Quantity—100. Weight, Approx. 21 lbs.
Code:RECEPTONE



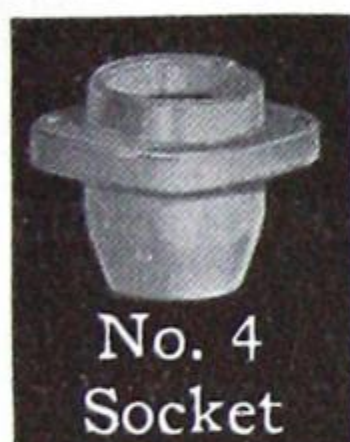
Porcelain Socket No. 2 (Medium Base)

Standard Quantity—100. Weight, Approx. 21 lbs.
Code:RECEPTU



Porcelain Angle Socket No. 3 (Medium Base)

Standard Quantity—100.
Weight, Approx. 46 lbs.
Code:RECEPTHREE



Porcelain Mogul Socket No. 4

Standard Quantity—50.
Weight, Approx. 36 lbs.
CodeRECEPTFOUR

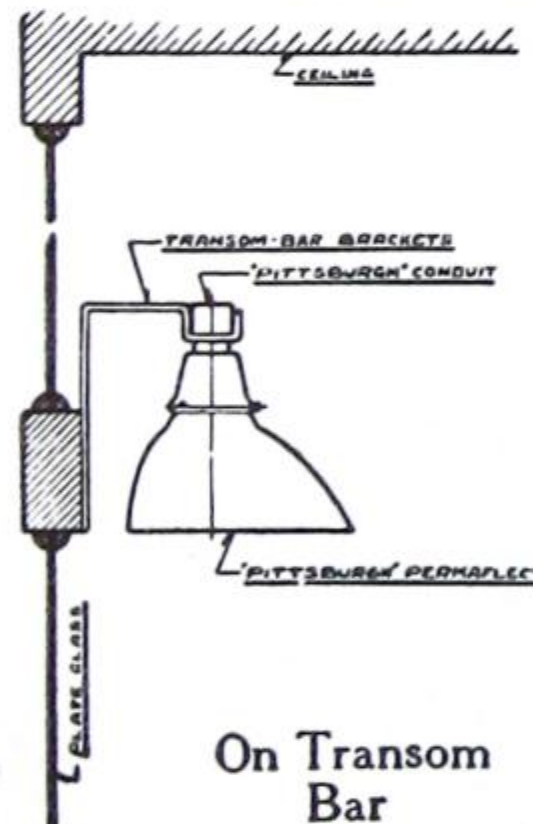
Porcelain Mogul Socket No. 5

For Use with Three-Light Lamps

Same as Porcelain Mogul Socket No. 4 but has the two filament construction.

Standard Quantity—50. Weight, Approx. 36 lbs.
Code:RECEPTFIVE

Transom Bar Bracket No. BR-1



For Use with Conduit Nos. 1, 12 and 2-A.
Standard size has vertical member 10 inches long and holds conduit 5½ inches from face of transom bar to center line of conduit.

Standard Quantity—25.
Weight, Approx. 39 lbs.
Code:CONBRACK

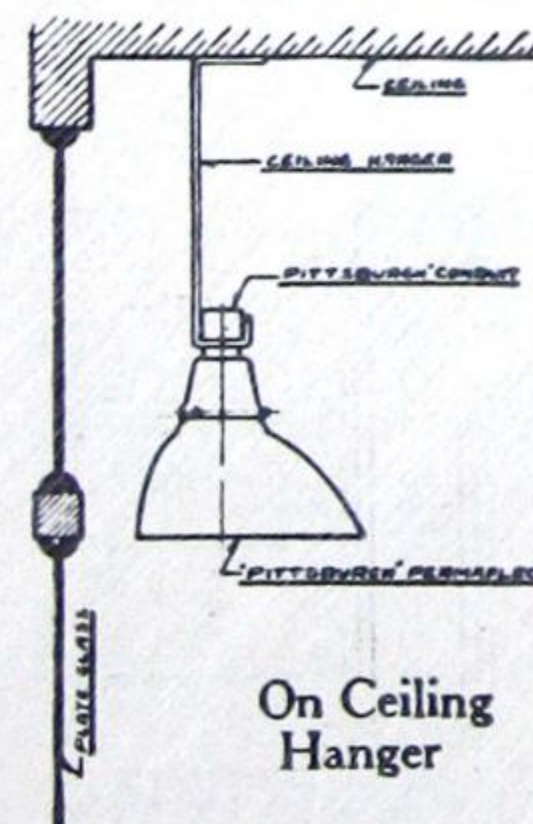
Transom Bar Bracket No. BR-6

For Use with Conduit Nos. 6, 61, 62 and 63.
Standard size has vertical member 14 inches long and holds conduit 6 inches from face of transom bar to center line of conduit.

Standard Quantity—25. Weight, Approx. 44 lbs.
Code:CONSIKBRAC

Ceiling Hangers No. CH-1

For Use with Conduit Nos. 1, 12 and 2-A.



Made in standard lengths of 6, 8, 10, 12, 14, 16, 18 and 20 inches. Special lengths available made to order.

Code: Standard Lengths (specify length desired).....CEHANG
Special LengthsCEHANGSP

Ceiling Hangers No. CH-6

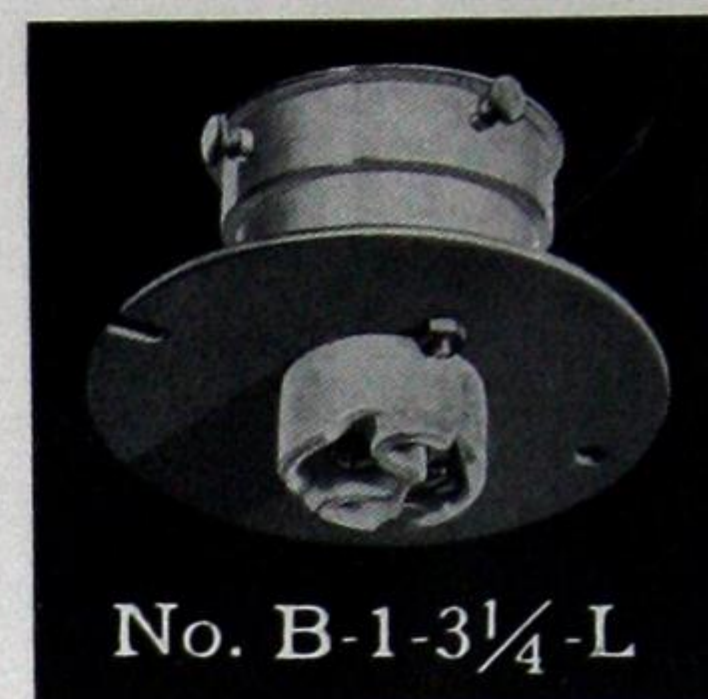
For Use with Conduit Nos. 6, 61, 62 and 63.
Made in standard lengths of 6, 8, 10, 12, 14, 16, 18 and 20 inches. Special lengths available made to order.

Code: Standard Lengths (specify length desired), CEHANGSIX
Special LengthsCEHANGSIXS

Outlet Box Cover Assemblies—Series B-1

Consists of a 3¼ inch or 4 inch outlet box cover, equipped with "Pittsburgh" Porcelain Socket No. 1 arranged to accommodate "Pittsburgh" Adapters. Fits any standard 3¼ inch or 4 inch outlet box having depth of 1½ inches.

May be used with Adapters No. 21, 1234 and 1256, Form 'S', 'L', 'LC' or 'LCA' holders and any of the Permaflexors they are used with.



FOR USE WITH 3¼" OUTLET BOX

Assembly No.	Including Holder No.	Std. Quan.	Weight Approx. Lbs.	Code
B-1-3-¼	None	50	20	BONETHRE
B-1-3-¼-S	2¼" Form "S"	50	23	BONETHRESS
B-1-3-¼-SL	2¼" Form "SL"	50	24	BONETHRESL
B-1-3-¼-L	2¼" Form "L"	50	25	BONETHREL
B-1-3-¼-LC	2¼" Form "LC"	50	25	BONETHRELC
B-1-3-¼-LCA	2¼" Form "LCA"	50	26	BONETRELCA

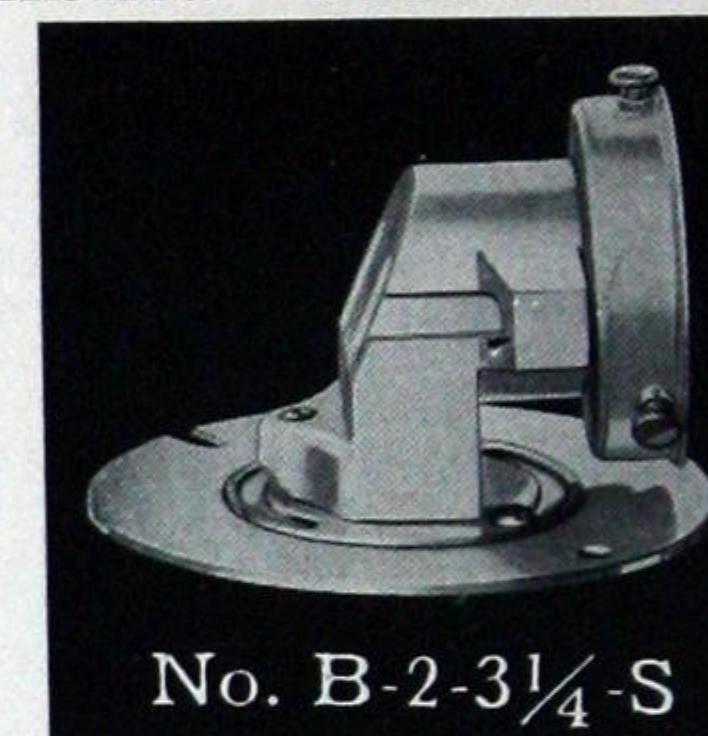
FOR USE WITH 4" OUTLET BOX

B-1-4	None	50	26	BONEFOR
B-1-4-S	2¼" Form "S"	50	29	BONEFORESS
B-1-4-SL	2¼" Form "SL"	50	30	BONEFORESL
B-1-4-L	2¼" Form "L"	50	31	BONEFOREL
B-1-4-LC	2¼" Form "LC"	50	31	BONEFORLSE
B-1-4-LCA	2¼" Form "LCA"	50	32	BONEFORLCA

Outlet Box Cover Assemblies—Series B-2

For jobs where the cove is a circle or ellipse with short radius. In such coves it is not practicable to use "Pittsburgh" Conduit because of the curvature.

The assembly No. B-2-3¼-S and B-2-3¼-L of outlet box cover, angle socket and shade holder illustrated herewith makes it convenient to use the reflectors No. P-25, P-40, P-75-A, P-76, P-101, P-151, and P-201, in cove lighting work.



It does not matter in what position the outlet box is installed, since by means of the slotted center piece the socket may be rotated into alignment with the cove.

FOR USE WITH 3¼" OUTLET BOX

Assembly No.	Including Holder No.	Std. Quan.	Weight Approx. Lbs.	Code
B-2-3-¼	None	50	36	BETUTHRE
B-2-3-¼-S	2¼" Form "S"	50	39	BETUTHRESS
B-2-3-¼-SL	2¼" Form "SL"	50	40	BETUTHRESL
B-2-3-¼-L	2¼" Form "L"	50	41	BETUTHRELL
B-2-3-¼-LC	2¼" Form "LC"	50	41	BETUTRELSE
B-2-3-¼-LCA	2¼" Form "LCA"	50	42	BETUTRELCA

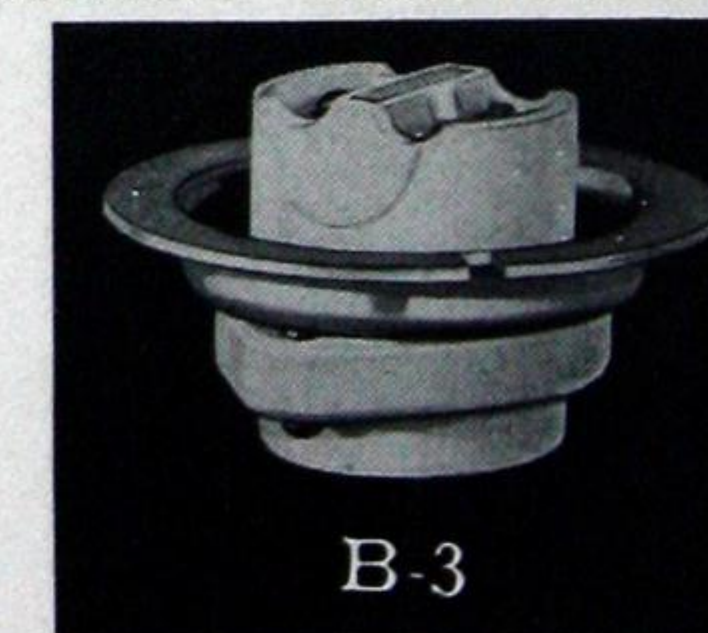
FOR USE WITH 4" OUTLET BOX

B-2-4	None	50	41	BETUFOR
B-2-4-S	2¼" Form "S"	50	44	BETUFORESS
B-2-4-SL	2¼" Form "SL"	50	45	BETUFORESL
B-2-4-L	2¼" Form "L"	50	46	BETUFOREL
B-2-4-LC	2¼" Form "LC"	50	46	BETUFORLSE
B-2-4-LCA	2¼" Form "LCA"	50	47	BETUFORLCA

Outlet Box Cover Assemblies—Series B-3

No. B-3 consists of Pittsburgh Mogul Socket No. 4, with 4 inch outlet box cover, raised cover. Fits any 4 inch outlet box 1½ inches deep. Used with Permaflexors No. 500, 555, C-300-A, C-500-A, E-500, I-505, I-1001, B-508, B-1001, 990.

Standard Quantity—50.
Weight, Approx. 50 lbs.
Code:BETHREE



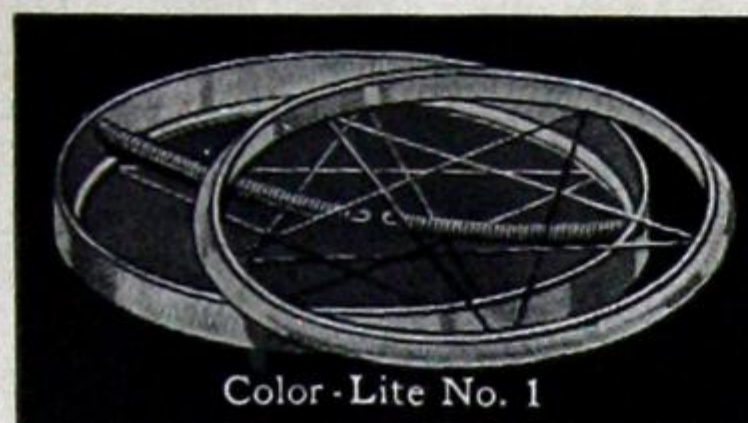
Outlet Box Cover Assemblies—Series B-33

No. B-33 consists of Three-Light Mogul Socket No. 5 with 4" outlet box cover, raised cover. It is identical to B-3 except as to the two filament construction of socket No. 5. Used with Permaflexors No. 500-3, 555-3, C-300-3A, C-500-3A, E-500-3, I-505-3, I-1001-3, 990-3, B-508-3, B-1001-3.

Standard Quantity—50. Weight, Approx. 50 lbs.
Code:BETRETE

Permaflexor Color-Lites

For Use in Window Lighting, Cove Lighting and Other Interior Service



Color-Lite No. 1

Color-Lites (Gelatin)

DESCRIPTION—Consist of retainer frame with coiled springs, and four gelatine sheets, one each of red, blue, green and amber. To attach merely hook the springs in holes of adapter or holder; to remove, unhook. Neither lamp nor Permaflexor need be removed.

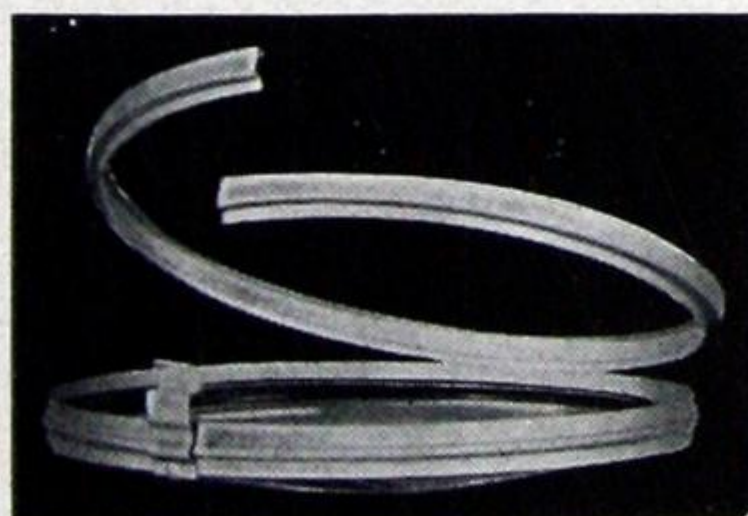
Color-Lite No.	Inside Dia. of Frame	Dia. of Gelatine Circle	Standard Quantity	Weight Approx. Lbs.	Code
1	10 $\frac{1}{8}$ "	9 $\frac{7}{8}$ "	18	19	COLORONE
5	8 $\frac{5}{8}$ "	8 $\frac{1}{2}$ "	18	16 $\frac{1}{2}$	COLORFIVE
7	13 $\frac{5}{8}$ "	13"	10	12	COLORSEVEN
9	11 $\frac{3}{4}$ "	10 $\frac{3}{4}$ "	7	10	COLORNIN
13	12 $\frac{3}{4}$ "	11 $\frac{1}{4}$ "	7	10	COLONETREY

Gelatin Circles Only

Dia. of Gelatine Circles	For Use With Color-Lite No.	Color of Gelatine Circle	Code
8 $\frac{1}{2}$ "	5	Red Blue Green Amber	GELFIRED GELFIBLUE GELFIGREEN GELFIAMB
9 $\frac{7}{8}$ "	1	Red Blue Green Amber	GELONRED GELONBLUE GELONGREEN GELONAMB
10 $\frac{3}{4}$ "	9	Red Blue Green Amber	GELNIRED GELNIBLUE GELNIGREEN GELNIAMB
11 $\frac{1}{4}$ "	13	Red Blue Green Amber	GELTERED GELTEBLUE GELTEGREEN GELTEAMB
13"	7	Red Blue Green Amber	GELSERED GELSEBLUE GELSEGREEN GELSEAMB

Color-Lite No. 4-A (Glass)

Description—An improved design of Color-Lite. For use with Permaflexors Nos. 29, 73, P-75-A, P-151, P-101, P-201, E-75, I-60, Interior Flood No. 100.



Color-Lite No. 4-A

It consists of a split ring which closely fits around the rim of Permaflexor. The colored glass roundel sets in frame hinged to the aforementioned split ring. A spring clasp holds the cover closed.

Colored roundel is fastened in cover ring by a split wire ring which fits in a groove in the cover rim. Diameter 6 $\frac{3}{4}$ in.

Standard Quantity—12.

Weight, Approx. 11 lbs.

Code: Color-Lite No. 4-A, Red.....COLFORED
Color-Lite No. 4-A, Blue.....COLFOBLUE
Color-Lite No. 4-A, Green.....COLFOGREEN
Color-Lite No. 4-A, Amber.....COLFOAMB
Color-Lite No. 4-A, Moonlight.....COLFOMOON
Color-Lite No. 4-A, Uncolored stippled.....COLFOCLEAR

Color-Lite No. 4-ADB (Glass)

Description—Same as Color-Lite No. 4-A except it is equipped with inside stippled daylight glass roundel.

Standard Quantity—12.

Weight, Approx. 11 lbs.

Code: Color-Lite No. 4-ADB.....COLOFOADAB
Stippled daylight glass roundel only, (6 $\frac{1}{2}$ " Dia.).....COLOFODAY

Color-Lite No. F-3

Description — Consists of blown glass cap, 8 inches in diameter, ventilated metal cap at top and clamping spring steel strap.

Can be used only with Flood Lights No. FLC-501 and FLC-1001.

Standard Quantity—4.

Weight, 8 lbs.

Code: Color-Lite No. F-3, Red.....EFTREDER
Color-Lite No. F-3, Blue.....EFTREBLUE
Color-Lite No. F-3, Green.....EFTREGREEN
Color-Lite No. F-3, Amber.....EFTREAMB



Color-Lite F-3

Glass Color-Lites (For External Mounting)

Description—Consist of retainer frame with coiled springs and one pressed glass roundel in any of the colors listed.

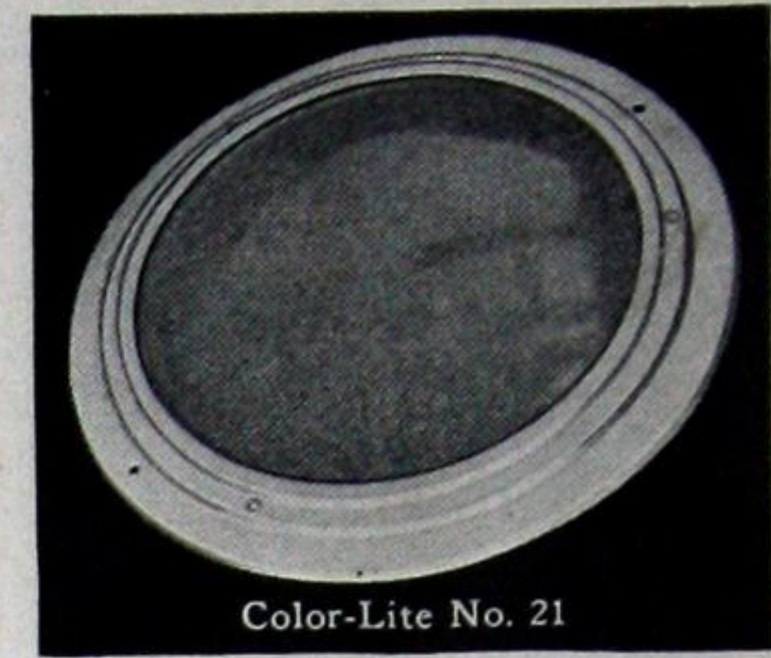


Color-Lite No. 2

A permanent color filter not subject to the faults of gelatines which fade, shrink and wrinkle. To attach merely hook the springs in holes of adapter or holder; to remove, unhook. Neither lamp nor Permalector need be removed.

Glass Color-Lites (For Flush Mounting)

Description — Consists of frame which may be attached to flush mounting ring by means of knurled head screws, and one pressed glass roundel in any of the colors listed. These Color-Lites equipped with uncolored stippled roundel, used with flush mounted reflectors, make an inexpensive substitute for Hinged Ceiling Roundels.



Color-Lite No. 21

Color-Lite No.		Dia. of Frame	Dia. of Roundel Only	Standard Quantity	Weight Approx. lbs.	Color	Code
2	FOR EXTERNAL MOUNTING	10 $\frac{1}{8}$ "	9 $\frac{7}{16}$ "	7	21	Red Blue Green Amber Moonlight Uncolored Stippled	COLTURED COLTUBBLUE COLTUGREEN COLTUAMB COLTUMMOON COLTUCLEAR
2-DB		10 $\frac{1}{8}$ "	9 $\frac{7}{16}$ "	7	21	Daylight	COLORTUDA
6		8 $\frac{5}{8}$ "	8"	10	15	Red Blue Green Amber Moonlight Uncolored Stippled	COLSIRED COLSIBLUE COLSIGREEN COLSIAMB COLSIMOON COLSICLEAR
6-DB		8 $\frac{5}{8}$ "	8"	10	15	Daylight	COLOSIDA
8		13 $\frac{5}{8}$ "	13"	5	21	Red Blue Green Amber Uncolored Stippled	COLAYRED COLAYBLUE COLAYGREEN COLAYAMB COLAYCLEAR
10		11 $\frac{3}{4}$ "	10 $\frac{3}{4}$ "	7	22	Red Blue Green Amber Uncolored Stippled	COLENRED COLENBLUE COLENGREEN COLENAMB COLENCLEAR
10-DB		11 $\frac{3}{4}$ "	10 $\frac{3}{4}$ "	7	22	Daylight	COLOTEDA
12-A		4 $\frac{3}{4}$ "	4 $\frac{3}{16}$ "	36	15	Red Blue Green Amber Uncolored Stippled	COLELRED COLELBLUE COLELGREEN COLELAMB COLELCLEAR
12-ADB		4 $\frac{3}{4}$ "	4 $\frac{3}{16}$ "	36	15	Daylight	COLTWELDA
14-A		12 $\frac{3}{4}$ "	11 $\frac{1}{4}$ "	7	26	Red Blue Green Amber Uncolored Stippled	COLERRED COLERBLUE COLERGREEN COLERAMB COLERCLEAR
16		7 $\frac{1}{4}$ "	6 $\frac{1}{2}$ "	12	11	Red Blue Green Amber Moonlight Uncolored Stippled	COLEXRED COLEXBLUE COLEXGREEN COLEXAMB COLEXMOON COLEXCLEAR
16-DB		7 $\frac{1}{4}$ "	6 $\frac{1}{2}$ "	12	11	Daylight	COLEXDA
21	FOR FLUSH MOUNTING	11 $\frac{7}{8}$ "	9 $\frac{7}{16}$ "	7	21	Red Blue Green Amber Moonlight Uncolored Stippled	TUONRED TUONBLUE TUONGREEN TUONAMB TUONMOON TUONCLER
21-DB		11 $\frac{7}{8}$ "	9 $\frac{7}{16}$ "	7	21	Daylight	TUONEDA
61		10 $\frac{3}{8}$ "	8"	10	15	Red Blue Green Amber Moonlight Uncolored Stippled	SIXONRED SIXONBLUE SIXONGREEN SIXONAMB SIXONMOON SIXONCLER
61-DB		10 $\frac{3}{8}$ "	8"	10	15	Daylight	SIXONEDA

Color-Lites F Series



DESCRIPTION—Pressed glass roundels for use with Floodlights, Lustroliers, Color-Lite frames and other colored lighting applications.

When used in floodlight, roundel shall be installed inside unit under protection of heat resisting glass cover.

Color-Lite No.	Diameter	Standard Quantity	Weight Approx. lbs.	Color	Code
F-1	10 $\frac{3}{8}$ "	10	21	Red Blue Green Amber	EFONERED EFONEBLUE EFONEGREEN EFONEAMB
F-2	8"	10	13	Red Blue Green Amber Moonlight	EFTURED EFTUBBLUE EFTUGREEN EFTUAMB EFTUMMOON
F-4	9 $\frac{7}{8}$ "	10	18	Red Blue Green Amber Moonlight	EFFORED EFFOBLUE EFFOGREEN EFFOAMB EFFOMOON
F-5	12"	6	20	Red Blue Green Amber Moonlight	EFIVERED EFIVEBLUE EFIVEGREEN EFIVEAMB EFIVEMOON
F-7	5 $\frac{1}{2}$ "	60	26	Red Blue Green Amber Moonlight	EFSEVRED EFSEVBLUE EFSEVGREEN EFSEVAMB EFSEVMOON
F-8	6 $\frac{1}{2}$ "	20	12	Red Blue Green Amber Moonlight	EFATERED EFATEBLUE EFATEGREEN EFATEAMB EFATEMOON
F-9	8 $\frac{3}{8}$ "	20	25	Red Blue Green Amber Light Blue	EFNINRED EFNINBLUE EFNINGREEN EFNINAMB EFNINMOON
F-10	10 $\frac{3}{4}$ "	7	20	Red Blue Green Amber	EFTENRED EFTENBLUE EFTENGREEN EFTENAMB
F-11	11 $\frac{1}{4}$ "	7	23	Red Blue Green Amber	EFLEVRED EFLEVBLUE EFLEVGREEN EFLEVAMB
F-12	4 $\frac{3}{8}$ "	50	16	Red Blue Green Amber	EFTELRED EFTELBLUE EFTELGREEN EFTELAMB
F-13	13"	5	19	Red Blue Green Amber	EFSIRRED EFSIRBLUE EFSIRGREEN EFSIRAMB
F-2DB	8"	10	13	Daylight	COLETUDA
F-4DB	9 $\frac{7}{8}$ "	10	18	Daylight	COLFORDA
F-8DB	6 $\frac{1}{2}$ "	20	12	Daylight	COLOFODAY
F-10DB	10 $\frac{3}{4}$ "	7	20	Daylight	COTTEDAGLA
F-12DB	4 $\frac{3}{8}$ "	50	16	Daylight	COTWEDAGLA

Heat-Resisting Glass Roundels

C—CLEAR D—DIOPTRIC ST—STIPPLED SP—SPREAD

Dia.	Type	Standard Quantity	Weight Approx. Lbs.	Code
8"	C	10	13	ATKL
8"	ST	10	13	ATSTIP
8 3/8"	C	20	25	ATRECLAR
8 3/8"	ST	20	25	ATREESTIP
9 7/16"	C	10	18	NINKL
9 7/16"	ST	10	18	NINSTIP
9 7/16"	D	12	24	NINDIOP
9 1/2"	SP	10	18	NINSPRED
9 13/16"	ST	15	22	NINTHIRT
10 3/8"	C	10	21	TENTREATE
10 3/4"	C	7	20	TENTREK
10 3/4"	ST	7	20	TENTREKST
11 1/4"	C	7	23	LEVENKL
11 1/4"	ST	7	23	LEVENSTIP
11 1/4"	SP	7	23	LEVENSPRED
12"	C	6	20	TWELKL
12"	ST	6	20	TWELSTIP
12"	SP	6	20	TWELSPRED
12 1/2"	C	6	23	TWELFCLEAR
12 1/2"	ST	6	23	TWELFSTIP
13"	ST	5	19	TERTENSTIP
13 1/4"	SP	5	20	TERTQUOSP
13 3/4"	C	5	21	TERTEKL
13 3/4"	ST	5	21	TERTESTIP
13 3/4"	SP	5	21	TERTESPRED
15 3/4"	ST	3	21	RONTREGLA
16 3/4"	C	3	25	SIXTEKL
16 3/4"	ST	3	25	SIXTESTIP
16 3/4"	SP	3	25	SIXTESPRED
18 3/4"	C	1	14	ATENKL
18 3/4"	ST	1	14	ATENSTIP
18 3/4"	SP	1	14	ATENSPIED
18 3/4"	D	1	14	ATENDIOP

NON-Heat-Resisting Glass Roundels

Dia.	Type	Standard Quantity	Weight Approx. Lbs.	Code
4 3/16"	ST	50	16	RONFIGLA
4 3/4"	ST	40	13	FOTREKSTIP
5 1/2"	ST	60	26	EFSEVCLAR
6 1/2"	C	20	12	NOCOLFOCLE
6 1/2"	ST	20	12	NOCOLFOGLA
8"	C	10	13	COLSICLEAR
8"	ST	10	13	COLSIGLA
8 3/8"	ST	20	25	RONDONEGLA
9 7/16"	C	10	18	NOCOLTUCLE
9 7/16"	ST	10	18	NOCOLTUGLA

Note: When ordering use Code Word or specify size and type.



Clear

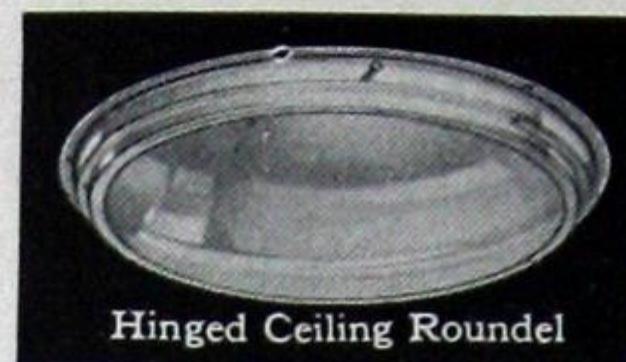


Stippled



Spread

Hinged Ceiling Roundels



Hinged Ceiling Roundel

Used for recessed lighting equipment, where it is desired to completely conceal the reflector and lamp. Hinged member contains stippled colorless roundel, which effectively conceals the lamp and reflector, but does not materially alter the character of the light distribution from the reflector.

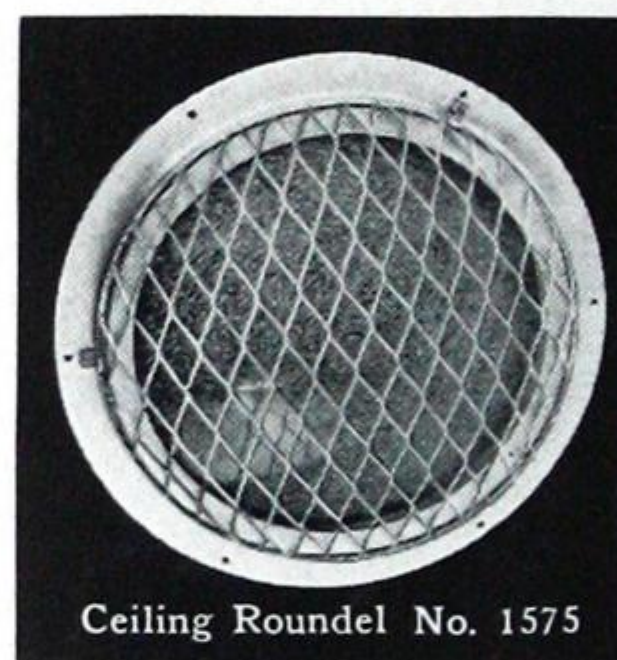
The ceiling flange may be attached directly to the ceiling or to the plaster ring in the case of plastered ceilings. It supports the reflector equipment.

For gymnasium lighting, handball courts, etc., Hinged Ceiling Roundels No. 1-A, 2-A, 3 and 6 are available equipped with heavy wire guard at an extra charge.

H.C.R. No.	Dia. of Glass Only	Dia. of Frame	Standard Quantity	Weight Approx. Lbs.	Code
1-A	8 3/8"	10 1/2"	8	17 1/2	ROUNDONA
2-A	*12"	15 1/2"	4	20	ROUNDRTUA
3	*15 3/4"	19 1/2"	1	13	ROUNDTREE
4	6 1/2"	9"	10	17	ROUNFOUR
5	4 3/16"	6 1/2"	12	13	ROUNFI
6	9 7/16"	12"	8	24	ROUNSIK

*Heat Resisting

Ceiling Roundel No. 1575



Ceiling Roundel No. 1575

Where lighting equipment is accessible for maintenance from space above ceiling, Permalectors may be recessed by means of Ceiling Roundels, not hinged. Ceiling Roundel No. 1575 consists of spun metal rim in which heat resisting colorless stippled roundel is set. For gymnasium use it may be ordered equipped with heavy wire guard.

Finished in sprayed and baked aluminum.

Standard Quantity—1.

Weight, Approx. 15 lbs.

Code: Ceiling Roundel No. 1575 Less guard.....FIFTESEF

Ceiling Roundel No. 1575 With guard.....FIFTESEFGA

Roundel Only (15 3/4" H. R. Stippled).....RONTREGLA

Wire Guard OnlyGARFIFTESE

Hinged Concentric Louvers



Hinged Concentric Louver

These are the same and serve the same purpose as hinged ceiling roundels. In place of stippled glass roundel, they are equipped with concentric louvers set in the hinged member. By many they are preferred. The louvers are luminous by reflected light.

Hinged Concentric Louver No.	Overall Frame Dia.	Standard Quantity	Weight Approx. Lbs.	Code
1-A	10 1/2"	10	15	LUVONA
2-A	15"	6	21	LUVTUA
3	19 1/2"	2	13	LUVTREE
4	9"	12	16	LUVFOUR
6	12"	10	20	LUVSIX

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

Permaflexor Louvers



(Right)
Concentric



(Left)
Parallel



Egg Crate Louver

(Right)
Eccentric



(Left)
Egg Crate

For Flush Mounting Service

These louvers are used for concealing reflectors and lamps of recessed equipment. They attach to flush mounting ring. Under each reflector we advise what louvers may be used therewith.

CONCENTRIC

Louver No.	Frame Dia.	For Use With Flush Ring No.	Std. Quan.	Wt. Approx. Lbs.	Code
FM-28-C	7 1/4"	28	10	6	FEMTUATEC
FM-54-C	11 3/4"	54, C-201 I-201	10	16	FEMFITYFOC
FM-55-C	10 1/4"	55, C-100	10	11 1/2	FEMFITYFIC
FM-77-C	9"	73	10	10 1/2	FEMSESEC
FM-555-C	14 1/4"	555	10	23	FEMFIFIFIC
FM-1575-C	19 1/2"	None Required	2	13	FEMFISEFIC
FME-500-C	14 1/4"	E-500, C-300	10	22	FEMEFIHUC

ECCENTRIC

FM-77-CA	9"	73	10	10 1/2	FEMSESECA
FM-88-CA	10 1/4"	55	10	11 1/2	FEMATATCA
FM-99-CA	11 3/4"	54	10	16	FEMNINICA

PARALLEL

FM-54	11 3/4"	54, C-201 I-201	10	16	FEMFIFOR
FM-55	10 1/4"	55, C-100	10	11 1/2	FEMFIFI
FM-77	9"	73	10	10 1/2	FEMSEVSEV
FM-555	14 1/4"	555	10	23	FEMFIFIFI
FME-500	14 1/4"	E-500, C-300	10	22	FEMEFIHUN

EGG CRATE

FEC-100	10 1/4"	55, C-100	10	13 1/2	FEMEGONE
FEC-200	11 3/4"	54, C-201 I-201	10	18	FEMEGTU
FEC-300	14 1/4"	E-500, C-300	10	24	FEMEGTRE

For External Mounting Service

These louvers are used for concealing reflecting surfaces and lamps of exposed equipment. They attach by means of coiled springs similar to color-lites. Under each reflector we advise what louvers may be used therewith.

CONCENTRIC

Louver No.	Frame Dia.	Standard Quantity	Weight Approx. Lbs.	Code
EM-54-C	10 1/4"	10	15	EMFITYFOC
EM-55-C	8 3/4"	10	11 1/2	EMFITYFIC
EM-77-C	7 1/4"	10	10 1/2	EMSESEC
EM-555-C	13 3/4"	10	23	EMFIFIFI
EME-500-C	12 1/8"	10	22	EMEFIHUC

ECCENTRIC

EM-77-CA	7 1/4"	10	10 1/2	EMSESECA
EM-88-CA	8 3/4"	10	11 1/2	EMATATCA
EM-99-CA	10 1/4"	10	15	EMNINICA

PARALLEL

EM-54	10 1/4"	10	15	EMFIFOR
EM-55	8 3/4"	10	11 1/2	EMFIFI
EM-77	7 1/4"	10	10 1/2	EMSEVSEV
EM-555	13 3/4"	10	23	EMFIFIFI
EME-500	12 1/8"	10	22	EMEFIHUN

Permaflexor Flush Mounting Rings

For convenience in making flush mounting installations, Pittsburgh Outlet Box Cover Assemblies, to which the Adapters or holders of the Permaflexors are directly attached, are used. It will be noted that Permaflexors No. 105, No. 110 and No. 500 are cut off at an oblique angle. To successfully set these Permaflexors flush, it is necessary to construct the ceiling with a dip towards the plate glass at the same angle.

When flush mounting Permaflexors it is necessary that the opening in the ceiling be cut to the proper size. Upon request drawing for cutting the opening will be supplied. For round reflectors merely cut round hole of diameter specified.

For high wattages in confined spaces it may be desirable to provide ventilation to prevent abnormal temperatures.



No. 500

Flush Mounting Rings



No. 55

Flush Ring No.	Dia. of Hole in Ceiling	Minimum Spacing on Centers	Std. Quan.	Weight Approx. Lbs.	Code
28	5 3/4"	7 1/2"	40	13	FLUMORATE
54	9 3/4"	12"	32	21	FLUFIFOR
55	8 3/4"	10 1/2"	40	18	FLUHUNTER
73	7"	9 1/4"	48	22	FLUSEVTR
77	7 1/4"	9 1/4"	48	22	FLUSEVSEV
555	12 3/4"	15"	25	17	FLUFIFI
C-100	8 3/4"	10 1/2"	40	19	FLUSEEHUN
C-201	10 1/4"	12"	36	19	FLUSEETONE
C-300	11 3/4"	15"	25	18	FLUSETRUN
E-500	12 1/4"	15"	25	18	FLUIFI
I-25	4 3/4"	6"	40	11	FLUREETUFI
I-201	10 1/4"	12"	40	20	FLURITONE
I-1000	16 1/4"	24"	4	10	FLUTOSAN

NON-CIRCULAR

100	Templet free on request	12"	40	18	HUNDERING
500		15"	25	83	FLUFIHUN

Plaster Rings

When Permaflexors are to be set flush in a plastered ceiling, our plaster rings are a great convenience. They make possible a perfectly round finished opening in the ceiling and provide the means of conveniently attaching the flush mounting ring, hinged ceiling roundel, louvers or built-in units.

The lather installs the rings. The plasterer plasters flush with bottom. The finished job is stout, rigid and workmanlike.

Plaster Ring No.	Minimum Spacing on Centers	Standard Quantity	Weight Approx. Lbs.	Code
1-A	11 1/2"	25	12	PLASUNA
2-A	16"	25	20	PLASTUA
4	10"	25	11	PLASOFO
6	13"	25	14	PLASIX
28	8"	25	10	PLASTUATE
54	12 1/2"	25	14	PLASFOR
55-A	11"	25	12	PLASFI
77	9 3/4"	25	11	PLASEV
555	15"	25	18	PLASFIFTY

Permaflexor Accessories

The great number of Permaflexors for which we have plaster rings, flush mounting rings, four types of louvers, color-lites, hinged ceiling roundels, hinged concentric louvers, makes it the most flexible line with which to handle every form of recessed reflector installation.

In addition, there are window reflectors built in continuous troughs and individual built-in reflector units equipped with glass roundels or louvers of four types.

Spill Shield No. SS-990

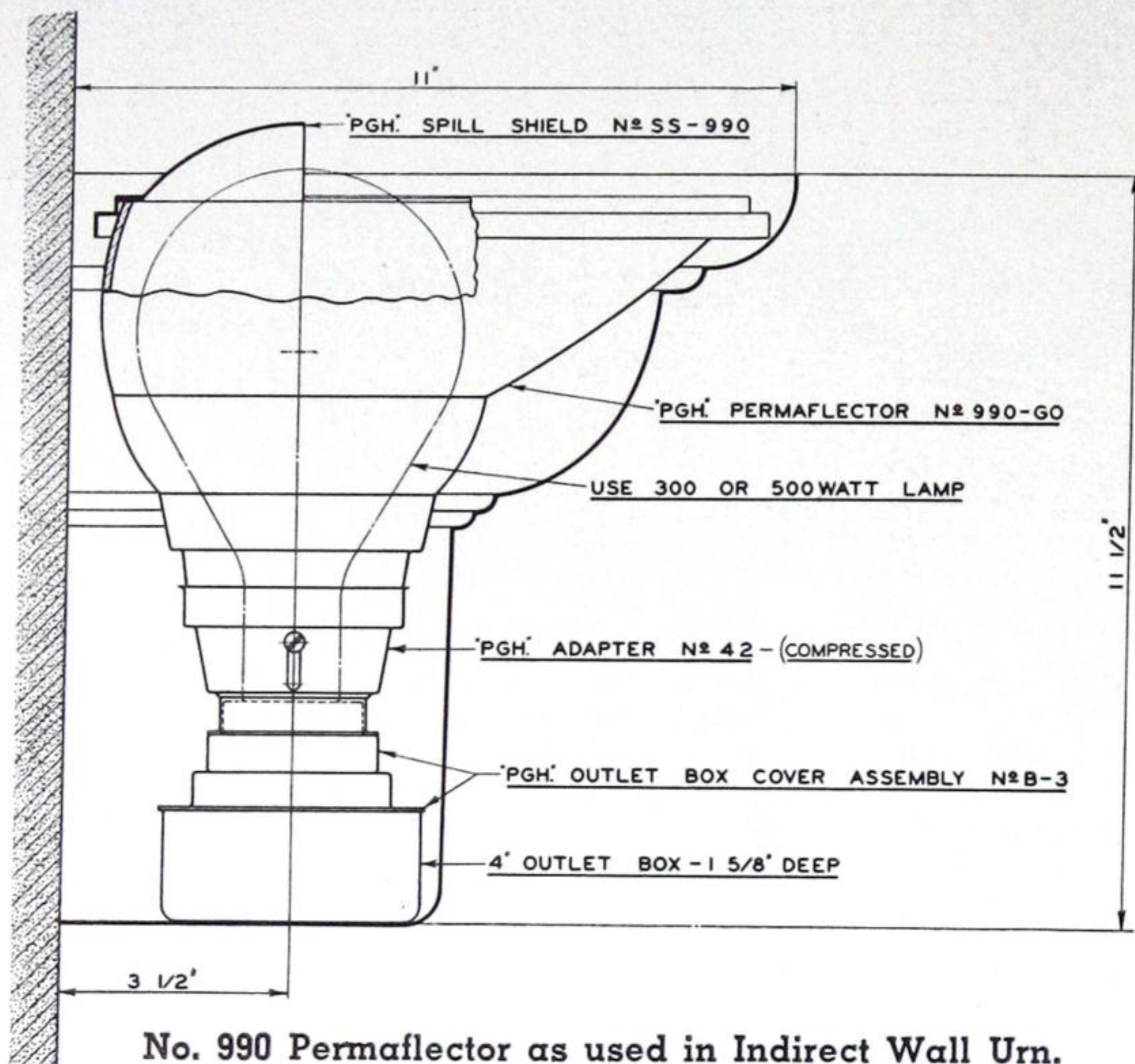
Description—Consists of spun ring in which is carried a spherical segment which intercepts direct light from the lamp which otherwise would illuminate the wall.

Application—For cove and wall urn lighting where light on wall is not desired. Does not interfere with reflected light over ceiling.

Standard Quantity—10.

Weight, Approx. 7 lbs.

Code: Spill Shield No. SS-990.....**SPILNININO**



No. 990 Permaflector as used in Indirect Wall Urn.

Permaflector Outlet Box Cover Assembly No. B-21-4

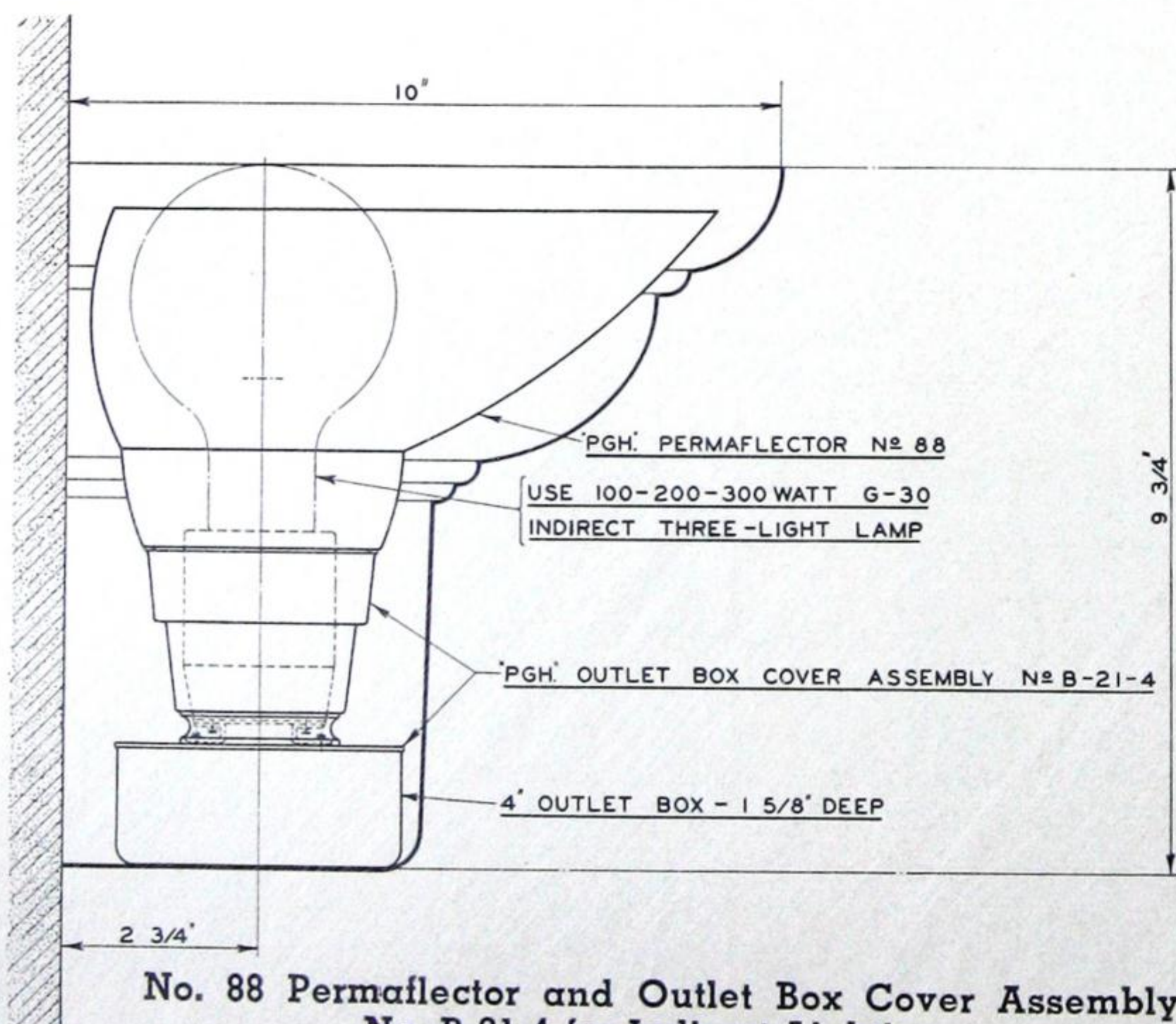
Description—Consists of Adapter No. 21 with shade holder screws, Three-Light mogul socket, two special clips and 4 inch outlet box cover.

Designed and used exclusively for Permaflector No. 88 and the 100-200-300 watt Indirect Three-Light lamp. To be used for indirect lighting service only, such as in wall urns and coves.

Standard Quantity—12.

Weight, Approx. 15 lbs.

Code: Assembly No. B-21-4.....**BETUONFOR**



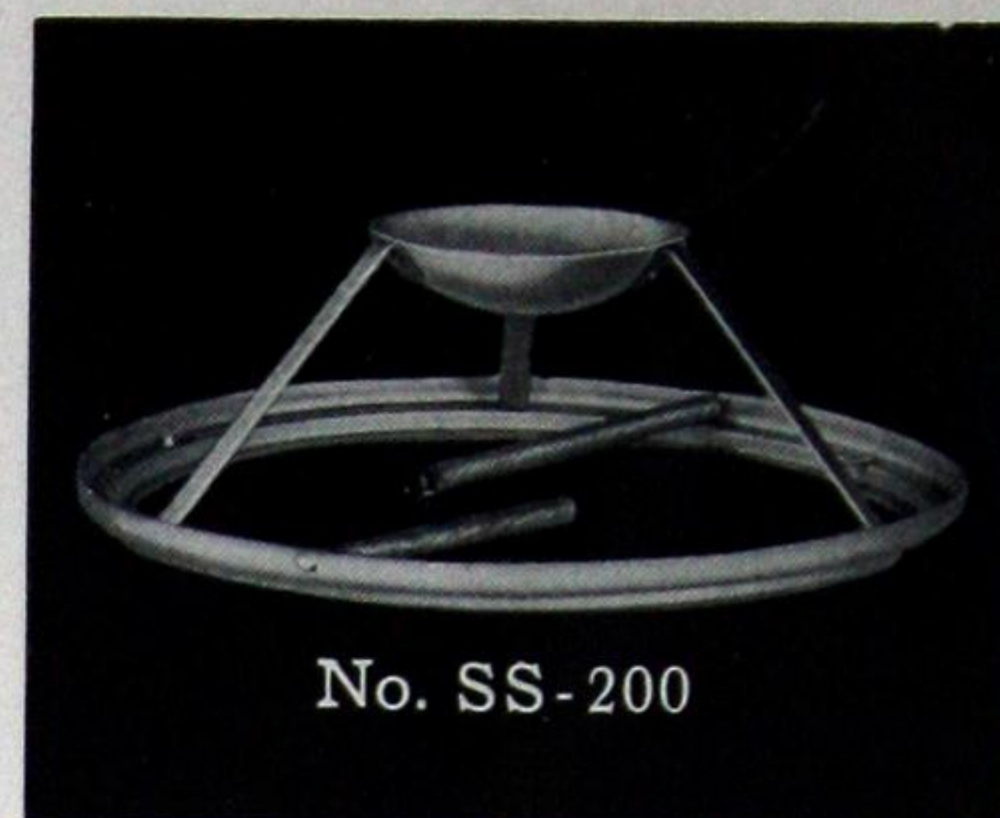
No. 88 Permaflector and Outlet Box Cover Assembly
No. B-21-4 for Indirect Lighting.

Spill Shield for Use with Interior Spots

For the purpose of eliminating the spill light of the Spot Light Reflectors, without interference with the beam of light.

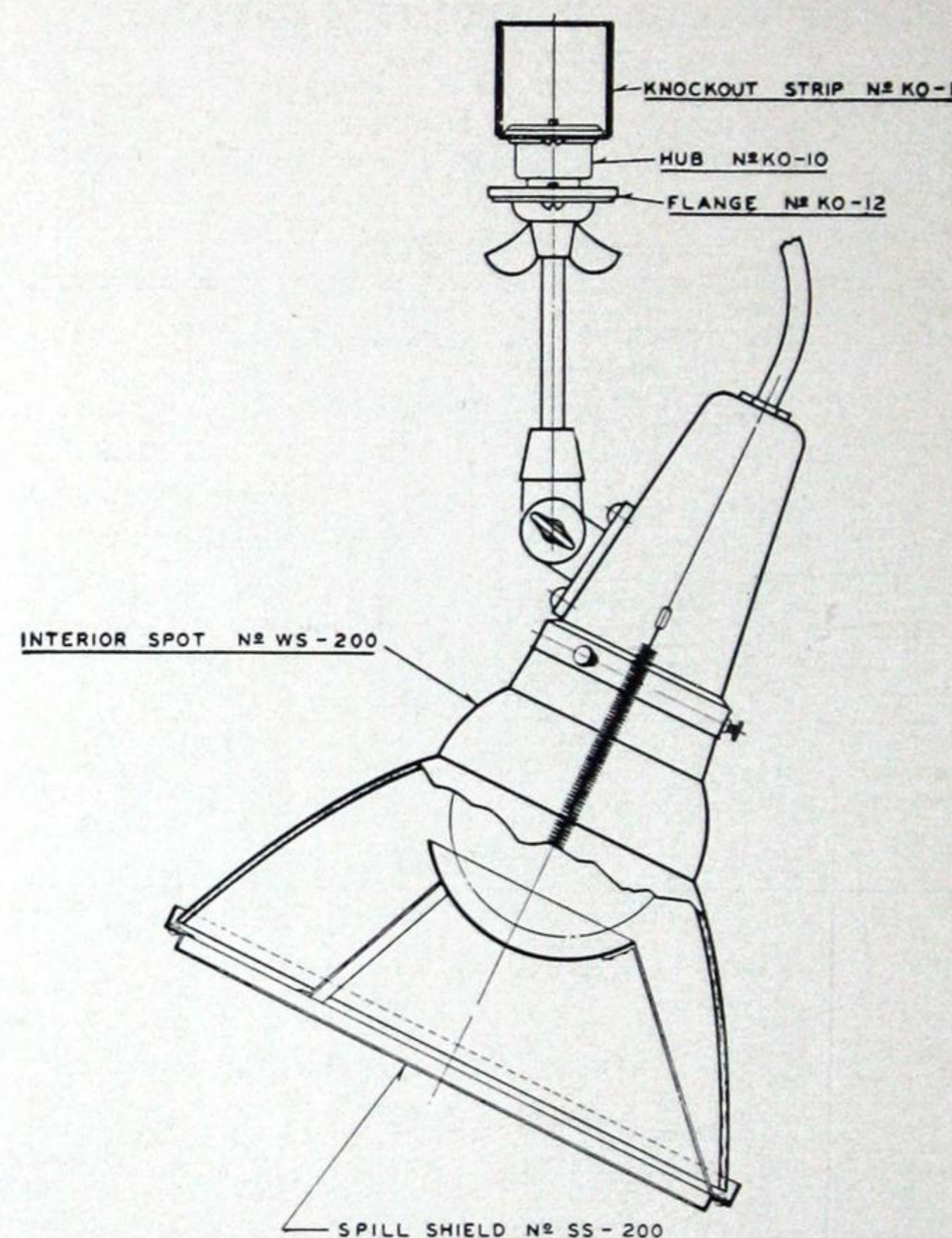
Consists of spun metal ring and metal cup supported on tripod as shown. Suspended by means of springs same as Color-Lites.

Color-Lite Roundels may also be used.

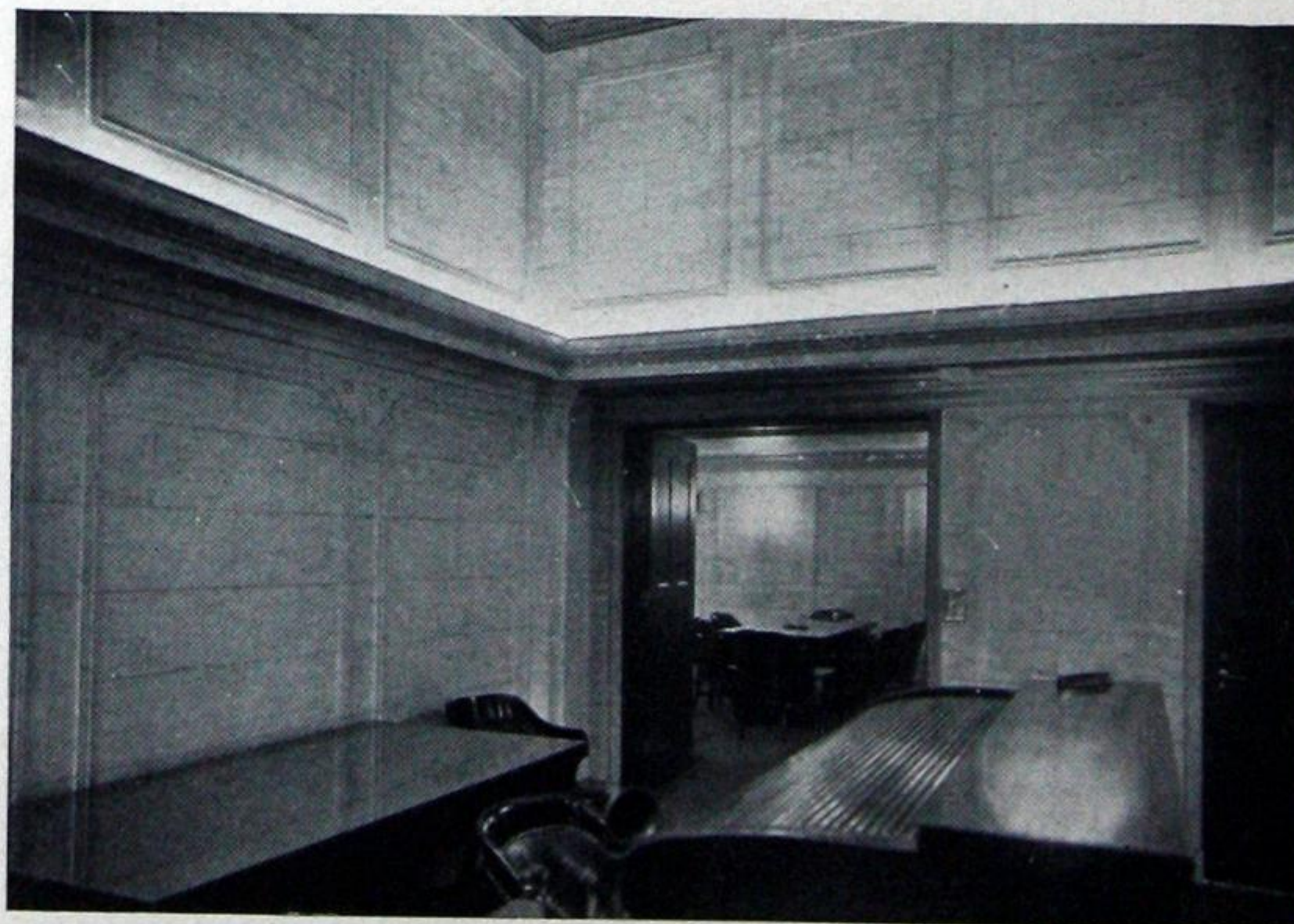


No. SS-200

Spill Shield No.	Used With Interior Spot No.	If Desired Use Color-Lite No.	Std. Quantity	Wt. Approx. Lbs.	Code
SS-100	WS-100	F-2	10	8	SPILONHUN
SS-200	WS-200	F-4	10	7	SPILTUHUN
SS-300	WS-300	F-10	10	13	SPILTRIHUN
SS-500	WS-500	F-13	10	14	SPILFIHUN



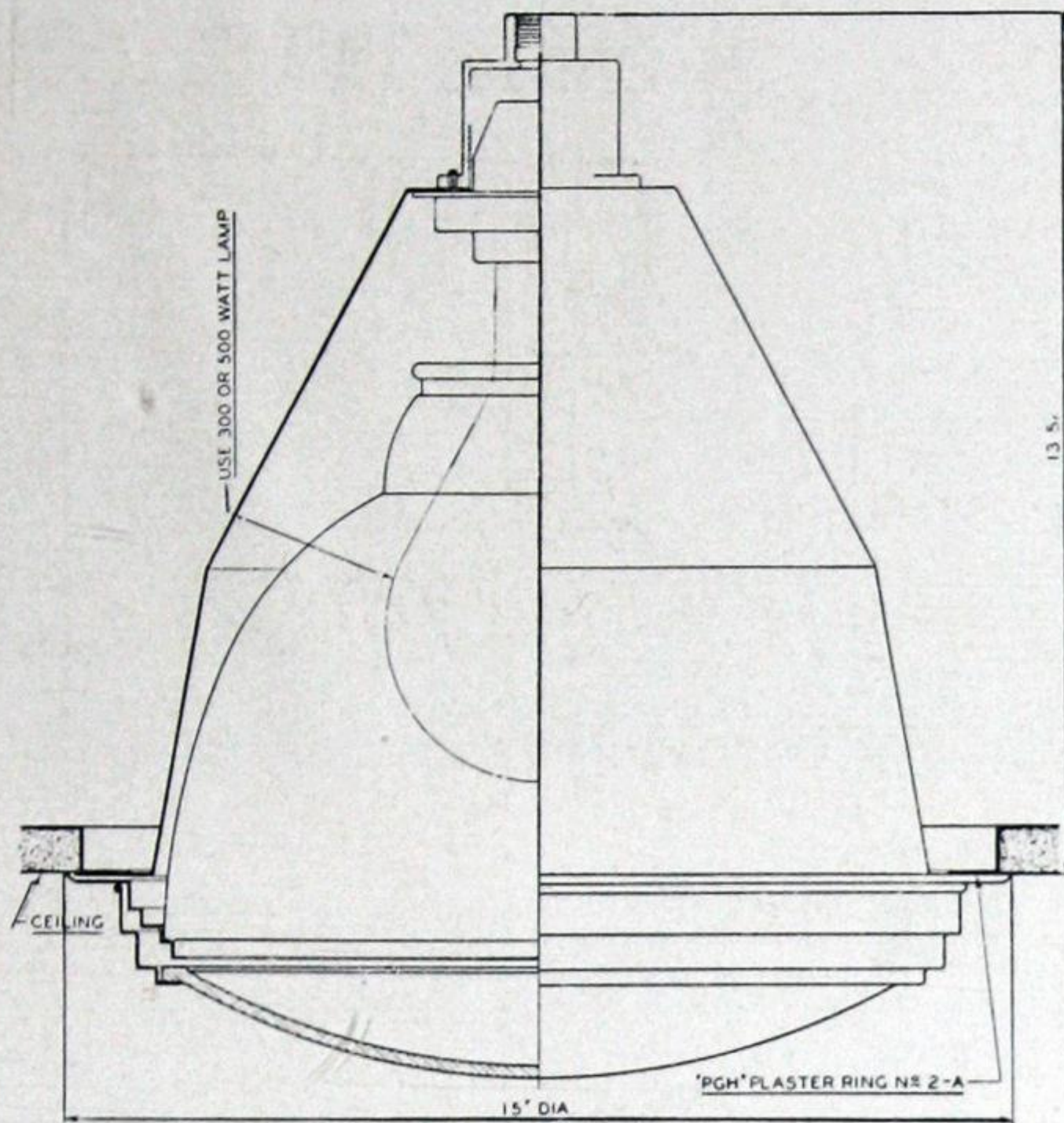
No. WS-200, suspended from Knockout Strip and equipped with Spill Shield No. SS-200.



A director's room indirectly lighted. Permaflectors concealed within the cove running about the room on all four walls.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

FE-500-2A



Standard Quantity—1.

Weight, Approx. 15 lbs.

Code: No. FE-500-2A **EFEFIHUNTA**
 Permaflexor Only (No. E-500-GO) **EFIHUGLA**
 Cover Glass Only (12" Dia. H. R. Stippled) **TWELSTIP**

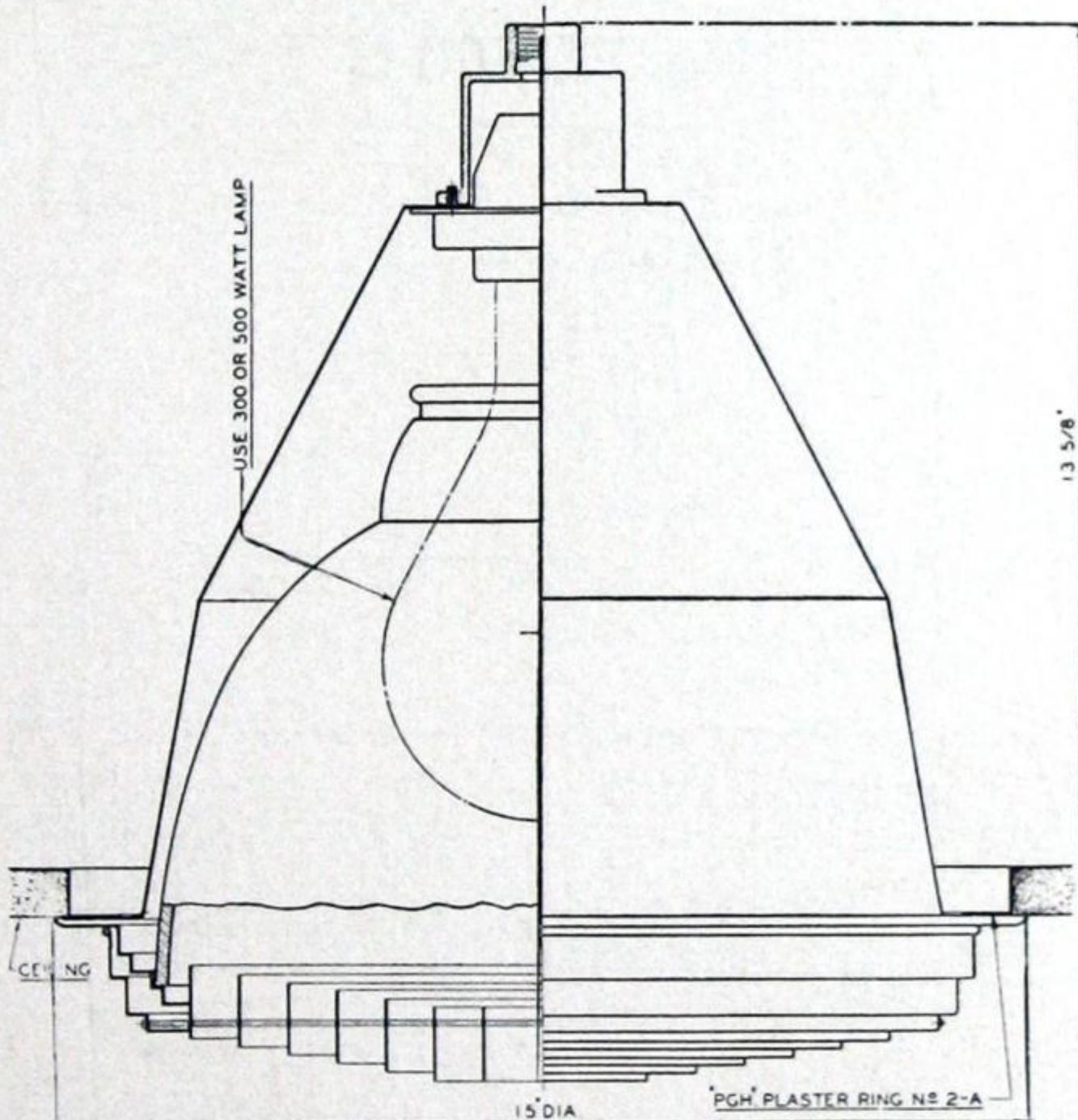
Description—No. FE-500-2A consists of spun aluminum housing, Box No. KO-11, Mogul Socket No. 4, Hinged Ceiling Roundel No. 2-A and Permaflexor No. E-500-GO.

Application—Recessed lighting is gaining popularity for store interiors. FE-500-2A is excellent for medium height ceilings. Also a good gymnasium and auditorium lighting unit. Generally speaking, these units should be spaced on centers not exceeding the height of the ceiling.

Lamp Size—500 watt PS-40. 300 watt PS-35.

When Recessed in Plaster Ceiling: Use Plaster Ring—No. 2-A.

FE-500-C



Standard Quantity—1.

Weight, Approx. 15 lbs.

Code: No. FE-500-C **EFEFIHUNSE**
 Permaflexor Only (No. E-500-GO) **EFIHUGLA**

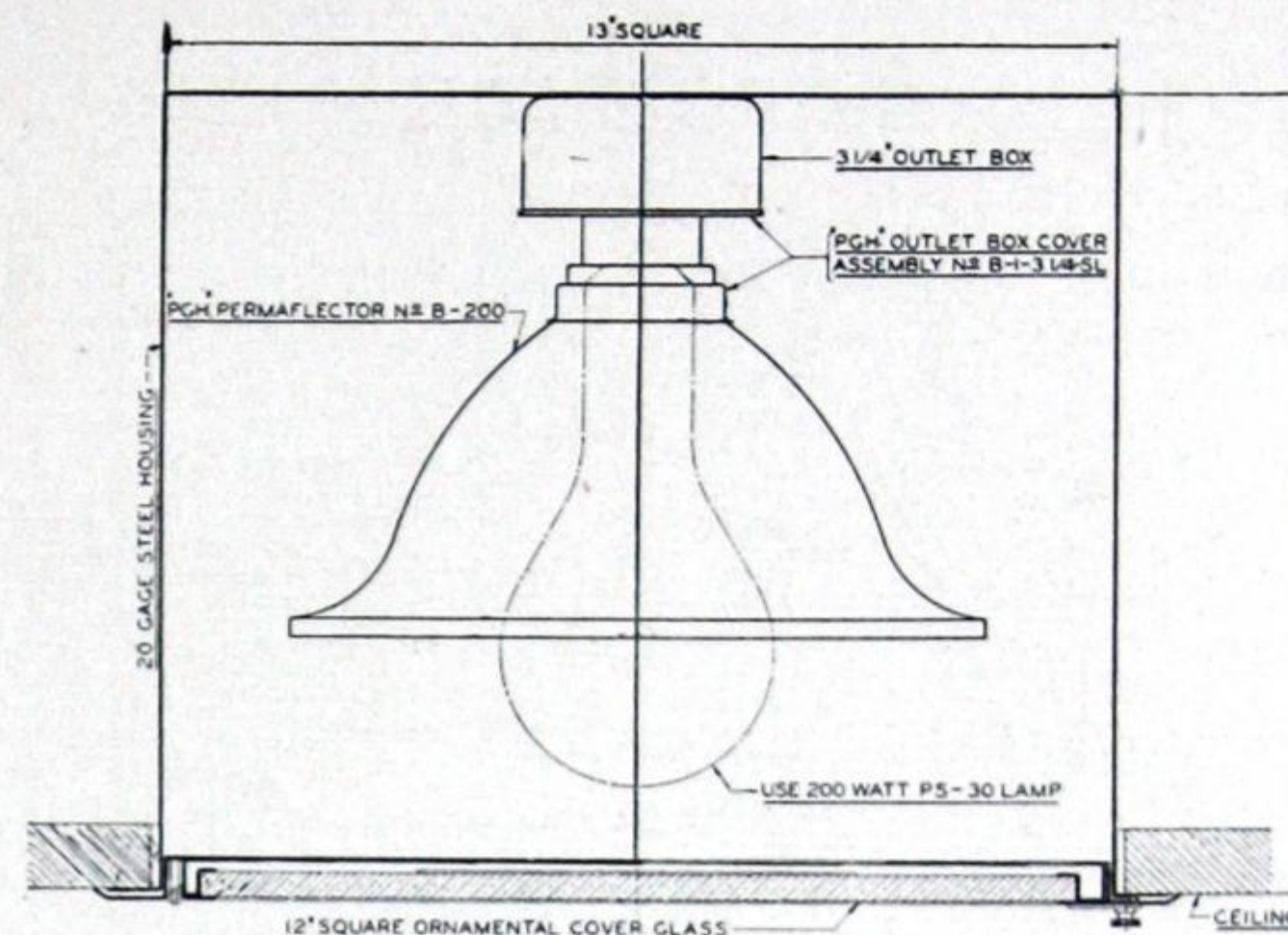
Description—No. FE-500-C consists of spun aluminum housing, Box No. KO-11, Mogul Socket No. 4, Hinged Concentric Louver No. 2-A and Permaflexor No. E-500-GO.

Application—Applications similar to No. FE-500-2A. Instead of a roundel it is equipped with concentric louver. Louvers are luminous by reflected light and from a distance give the illusion of luminous glass.

Lamp Size—500 watt PS-40. 300 watt PS-35.

When Recessed in Plaster Ceiling: Use Plaster Ring—No. 2-A.

GR-20012



Standard Quantity—1.

Weight, Approx. 23 lbs.

Code: No. GR-20012 **GARTUHUN**
 Permaflexor Only (No. B-200) **BEDASHTU**
 Square white glass plate (12" x 12") **PLAITWEL**

Description—No. GR-20012 consists of 20-gauge steel box to be set flush in ceiling; frame and hinged door containing 12" square ornamental white glass plate; outlet box, socket, holder and Permaflexor No. B-200.

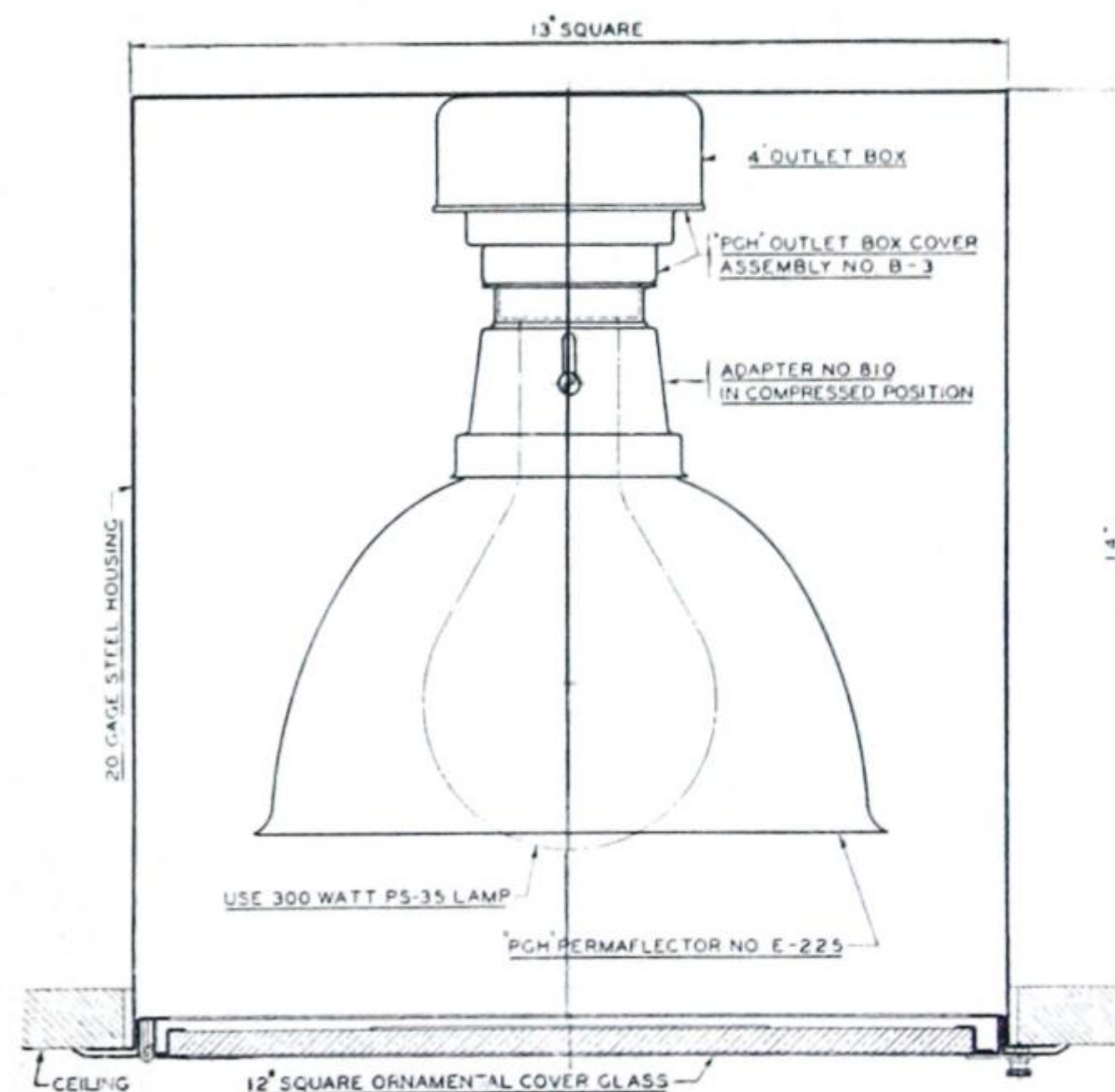
Finish—Sprayed and baked aluminum.

Application—An excellent unit for recessed lighting installations. The glass panel is ornamental as well as an effective means of concealing the Permaflexor which controls and redirects the light. A broadly distributing unit. Maximum spacing one and one-half times mounting height.

Ceiling Space Required—Requires a clear space of 11 inches above ceiling line and a 13 inch square opening in ceiling.

Lamp Size—200 watt PS-30.

GR-30012



Standard Quantity—1.

Weight, Approx. 25 lbs.

Code: No. GR-30012 **GARTREHUN**
 Permaflexor Only (No. E-225-GO) **ETUTUFIGO**
 Square white glass plate (12" x 12") **PLAITWEL**

Description—No. GR-30012 consists of 20-gauge steel box to be set flush in ceiling; frame and hinged door containing 12" square ornamental white glass plate; outlet box, mogul socket, holder and Permaflexor No. E-225-GO.

Finish—Sprayed and baked aluminum.

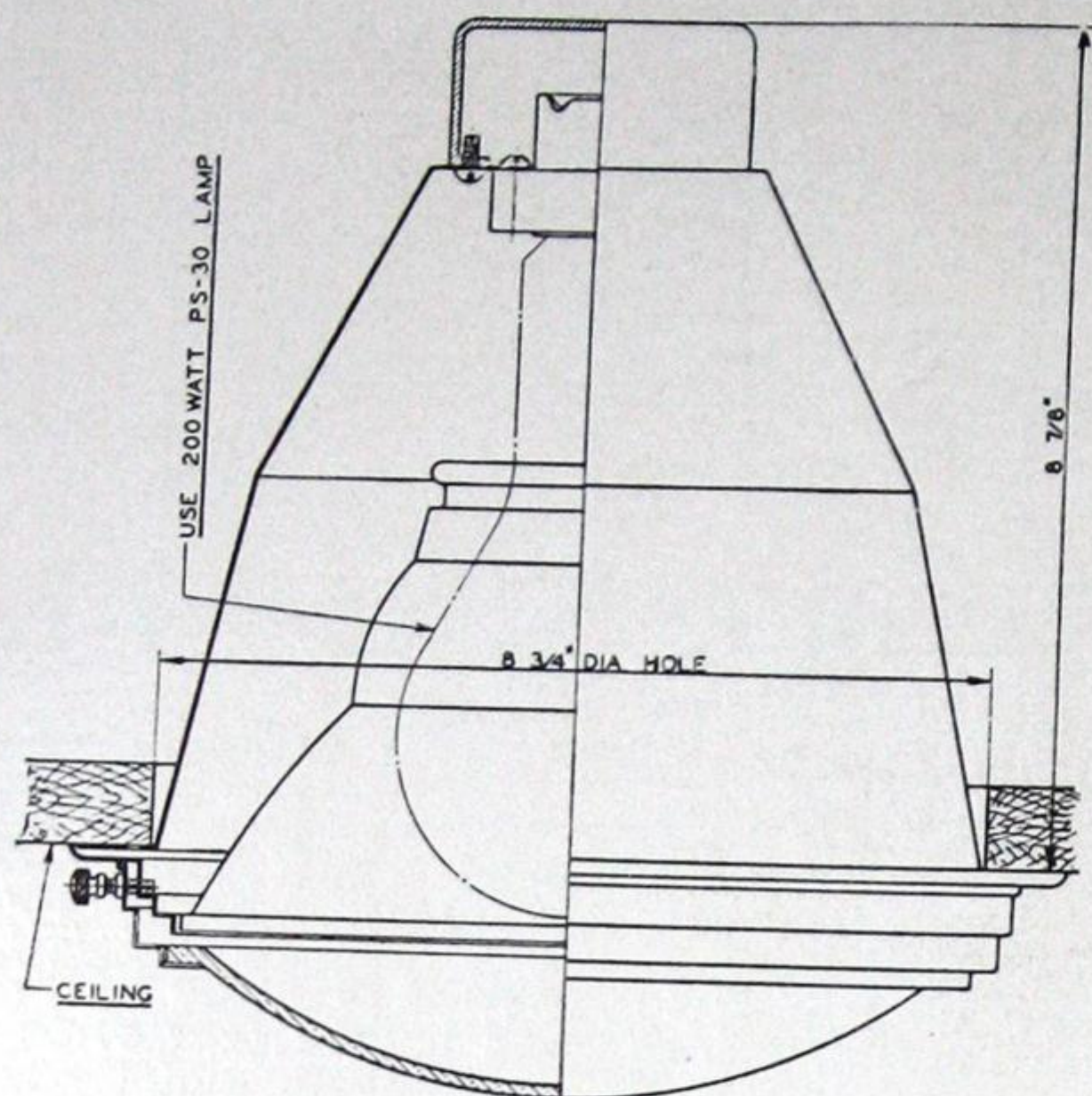
Application—Same as No. GR-20012 except where a greater intensity of illumination is required.

Ceiling Space Required—Requires a clear space of 14 inches above ceiling line and a 13 inch square opening in ceiling.

Lamp Size—300 watt PS-35.

Built-in Direct Lighting Units

No. FC-101-1A



Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: No. FC-101-1A

Permaflex Only (No. C-101)

Cover Glass Only (8 3/8" Dia. Stippled)

EFSEHUNONA

SEHUNDERUN

RONDONEGLA

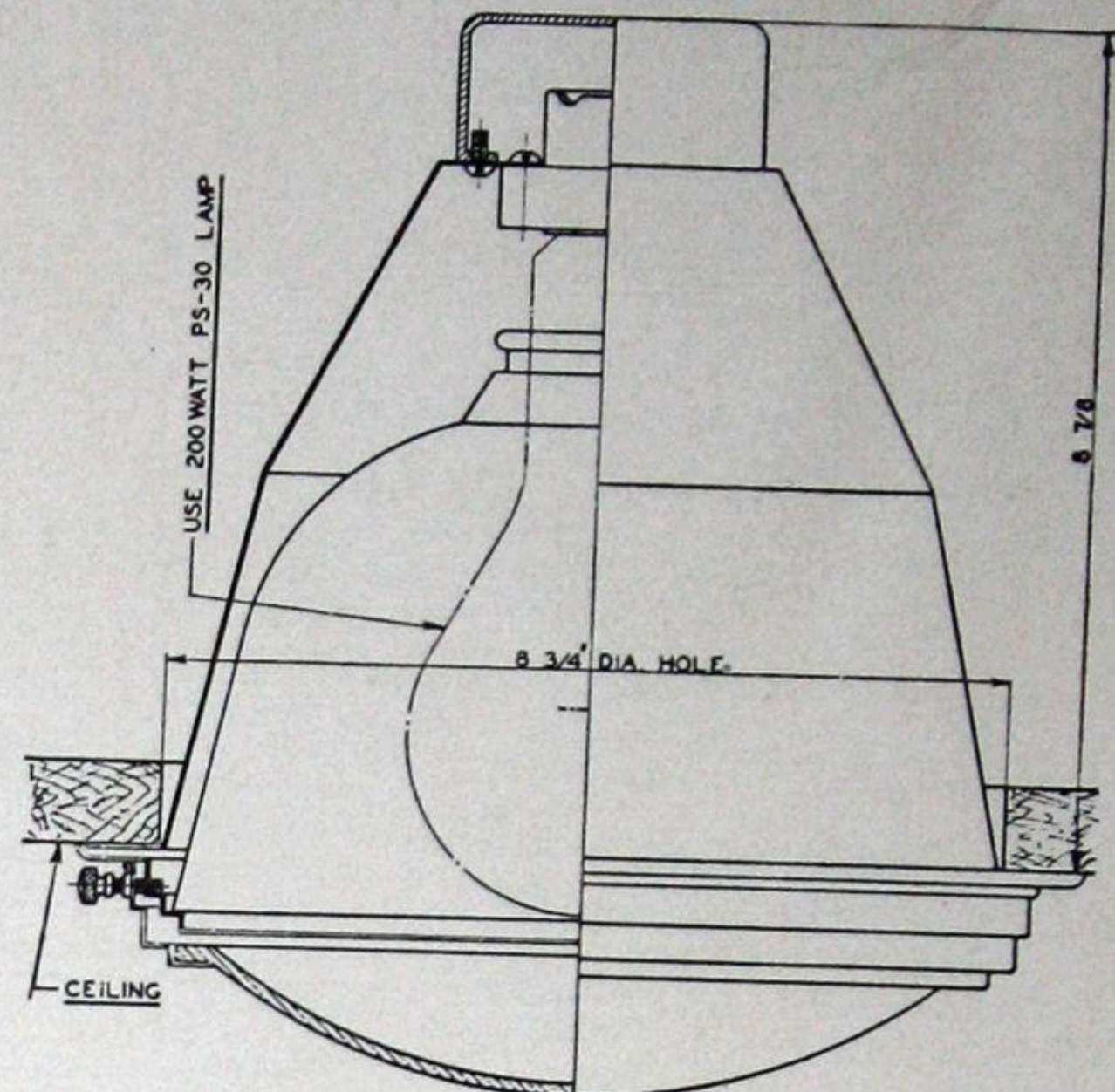
Description—No. FC-101-1A consists of spun aluminum housing, 3/4 inch outlet box, socket No. 1, hinged ceiling roundel No. 1-A and Permaflex No. C-101.

Application—A variety of uses will suggest themselves. One important application is for lighting jewelry stores with the unit arranged in rows over the counters, or cases, spaced three to six feet on centers. The result is a high intensity of illumination on the counters or cases with diminished intensities in the aisles. Whether or not general indirect illumination should be employed will depend upon conditions.

Lamp Size—200 watt PS-30.

When Recessed in Plaster Ceiling: Use Plaster Ring—No. 1-A.

No. FE-100-1A



Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: No. FE-100-1A

Permaflex Only (No. E-100)

Cover Glass Only (8 3/8" Dia. Stippled)

EFSEHUNONA

EHUN

RONDONEGLA

Description—No. FE-100-1A consists of spun aluminum housing, 3/4 inch outlet box, socket No. 1, hinged ceiling roundel No. 1-A and Permaflex No. E-100.

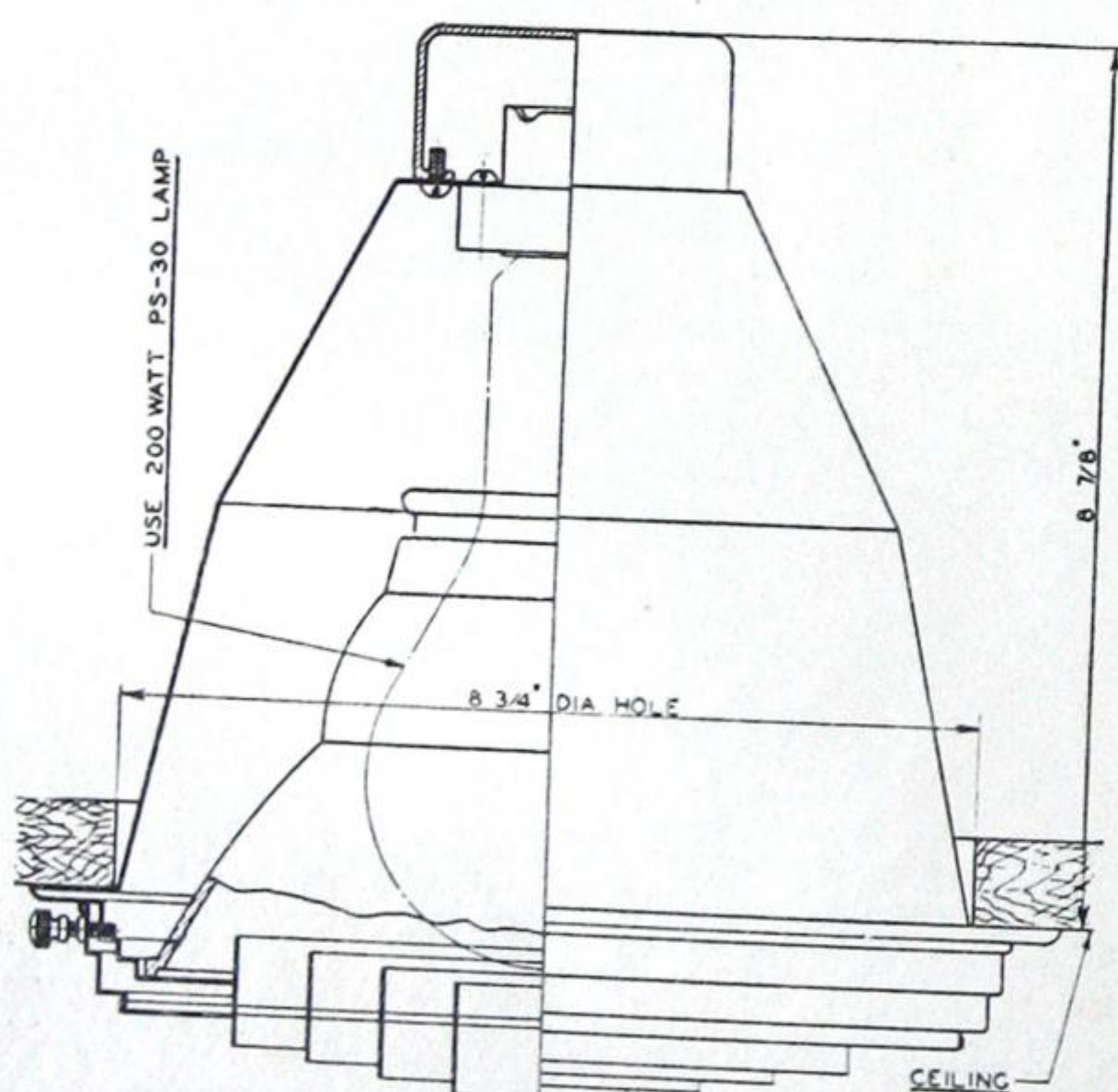
Application—A variety of uses will suggest themselves. These units are exceptionally good for locations having low ceiling heights, where a surface mounted lighting unit constitutes an obstruction, as for instance in areas below mezzanine floors.

Generally speaking, these units should be spaced on centers not exceeding the height of the ceiling.

Lamp Size—200 watt PS-30.

When Recessed in Plaster Ceiling: Use Plaster Ring—No. 1-A.

No. FC-101-C



Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: No. FC-101-C

Permaflex Only (No. C-101)

EFSEHUNSEE

SEHUNDERUN

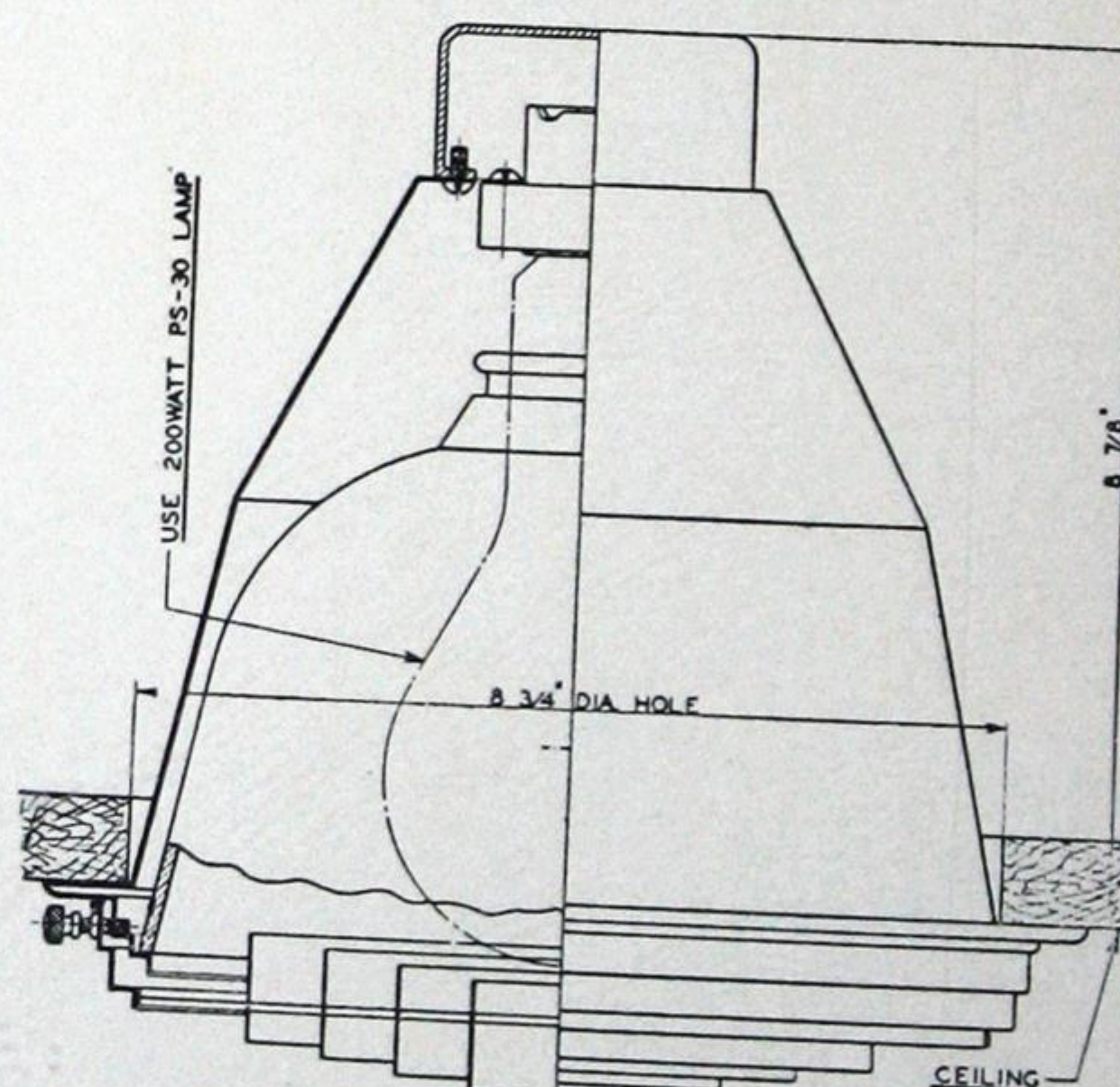
Description—No. FC-101-C consists of sheet aluminum housing containing 3/4 inch outlet box, socket, Permaflex No. C-101 and hinged concentric louver No. 1-A. Also available with Egg Crate louvers on special order.

Application—By many considered more effective than No. FC-101-1A. The louvers are luminous by reflected light.

Lamp Size—200 watt PS-30.

When Recessed in Plaster Ceiling: Use Plaster Ring—No. 1-A.

No. FE-100-C



Standard Quantity—1.

Weight, Approx. 10 lbs.

Code: No. FE-100-C

Permaflex Only (No. E-100)

EFSEHUNSEE

EHUN

Description—No. FE-100-C consists of sheet aluminum housing containing 3/4 in outlet box, socket, Permaflex No. E-100 and hinged concentric louver No. 1-A. Also available with Egg Crate louvers on special order.

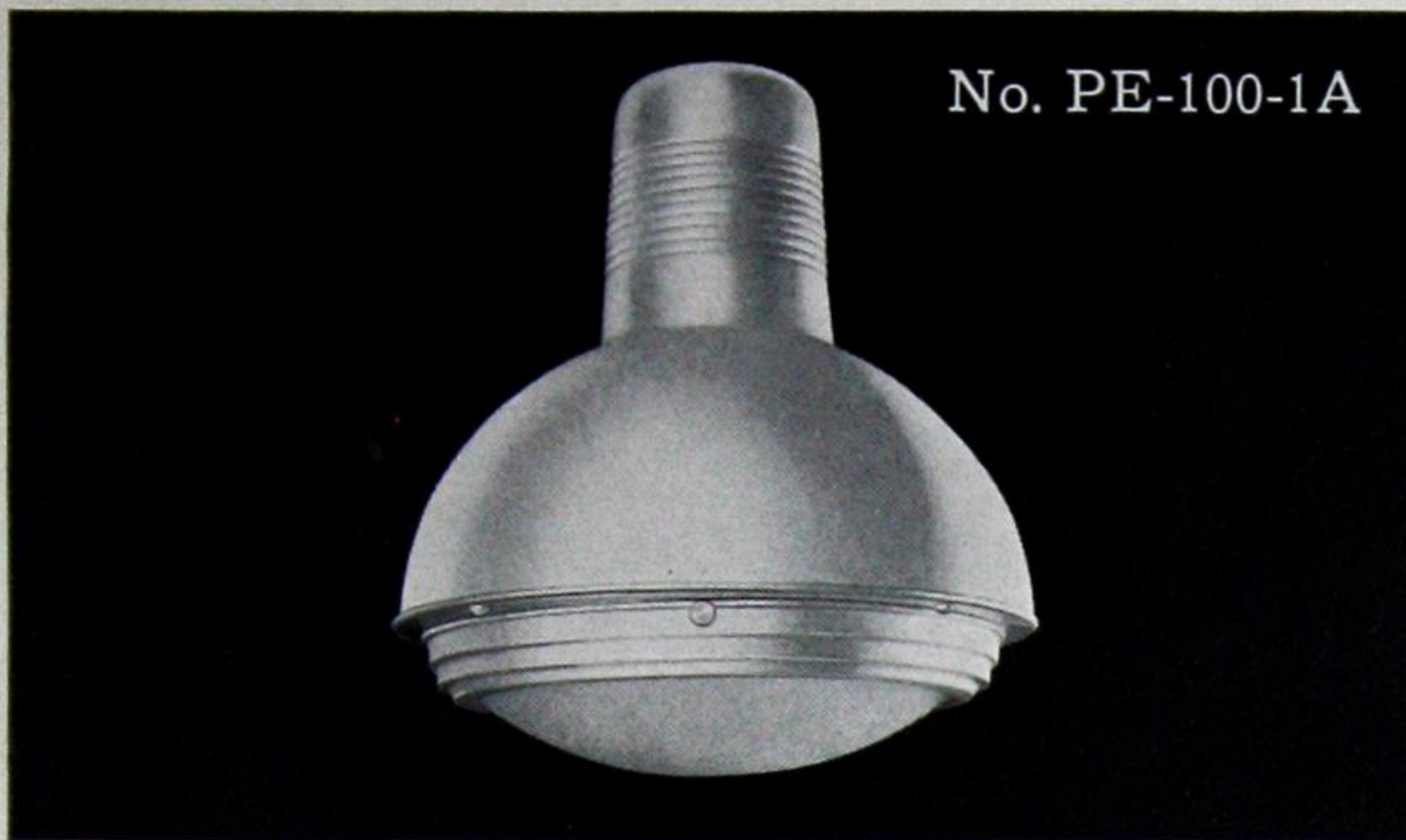
Application—For same service as No. FE-100-1A. The louvers when viewed from a distance give the illusion of luminous glass.

Lamp Size—200 watt PS-30.

When Recessed in Plaster Ceiling: Use Plaster Ring—No. 1-A.

PITTSBURGH REFLECTOR COMPANY PITTSBURGH PENNSYLVANIA USA

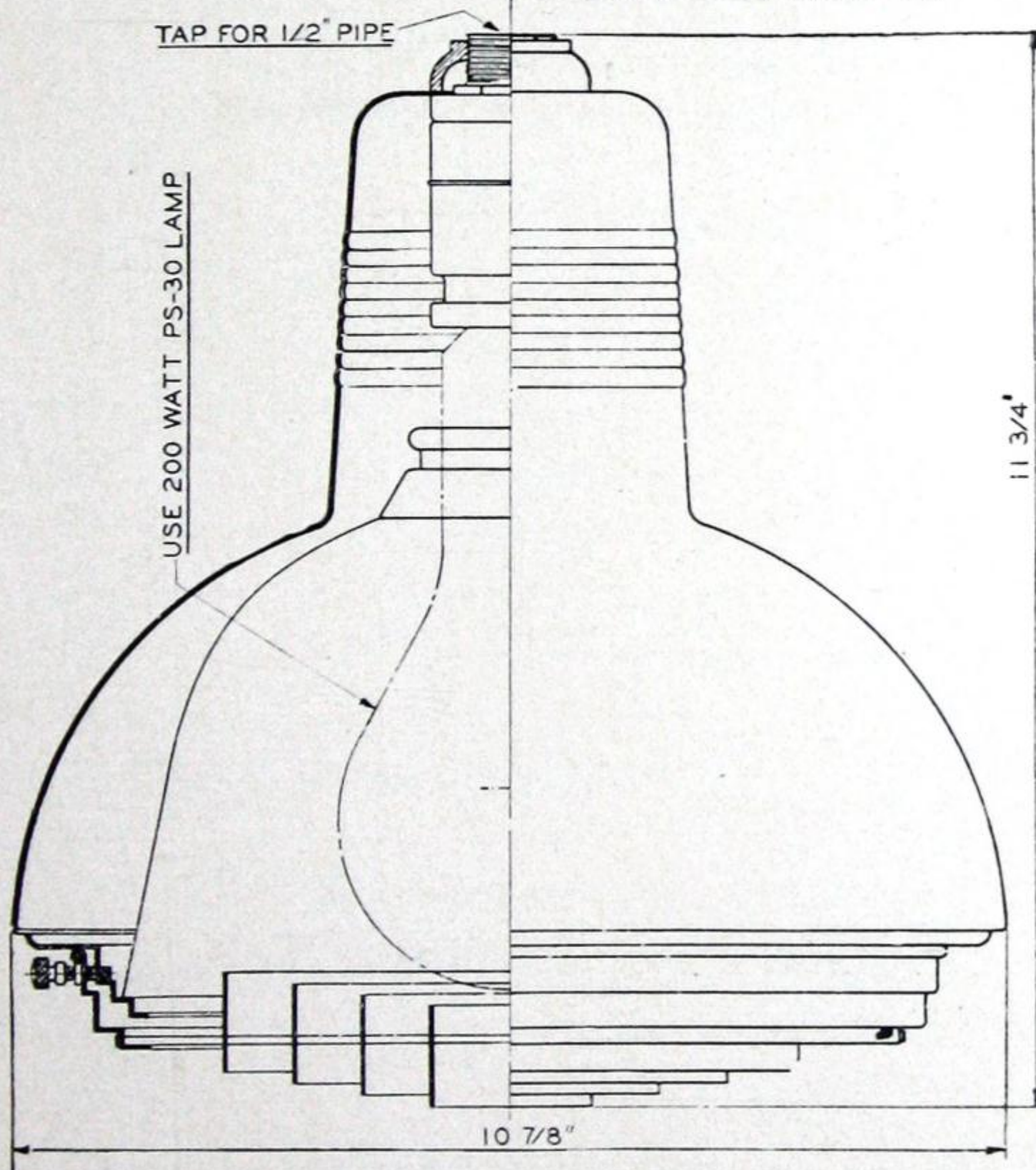
No. PE-100-1A



No. PE-100-1A

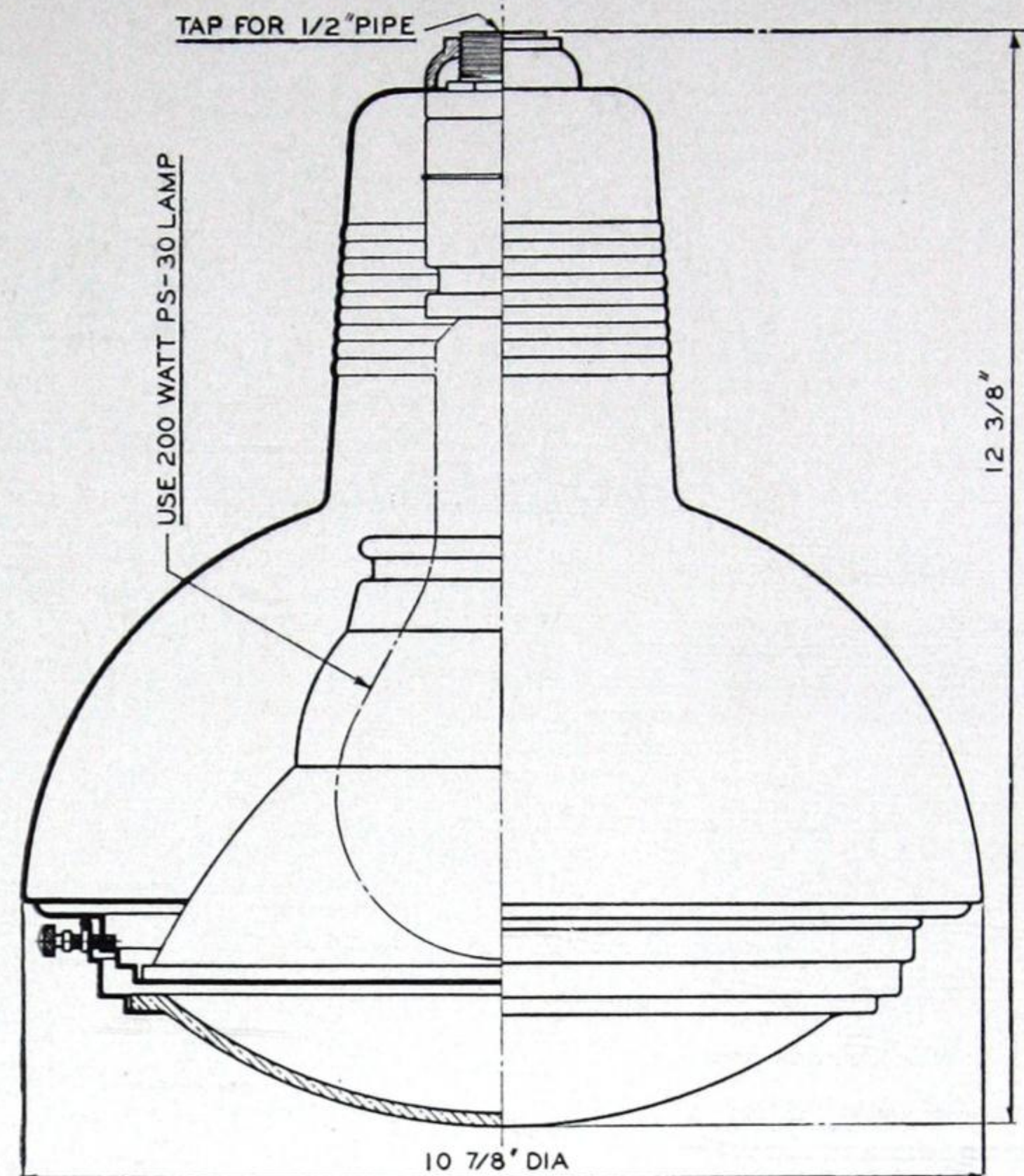
Standard Quantity—1. **Weight**, Approx. 10 lbs.
Code: No. PE-100-1A..... **PEEYHUNONA**
 Permalector Only (No. E-100)..... **EHUN**
 Cover Glass Only (8 3/8" Dia. Stippled)..... **RONDONEGLA**
Description—No. PE-100-1A consists of spun aluminum shell containing medium base porcelain socket and Permalector No. E-100, equipped with Hinged Ceiling Roundel No. 1-A, fabricated of sheet steel. Equipped with 1/2" female cap at top, which attaches to any standard 1/2" conduit hanger.
Finish—Etched aluminum for the shell and sprayed baked aluminum for the Hinged Ceiling Roundel No. 1-A.
Application—An excellent direct lighting unit for illumination of rugs displayed on the floor and any similar use. A good industrial lighting unit where exposed reflectors would not be ornamental enough.
Lamp Size—200 watt PS-30.

No. PE-100-C



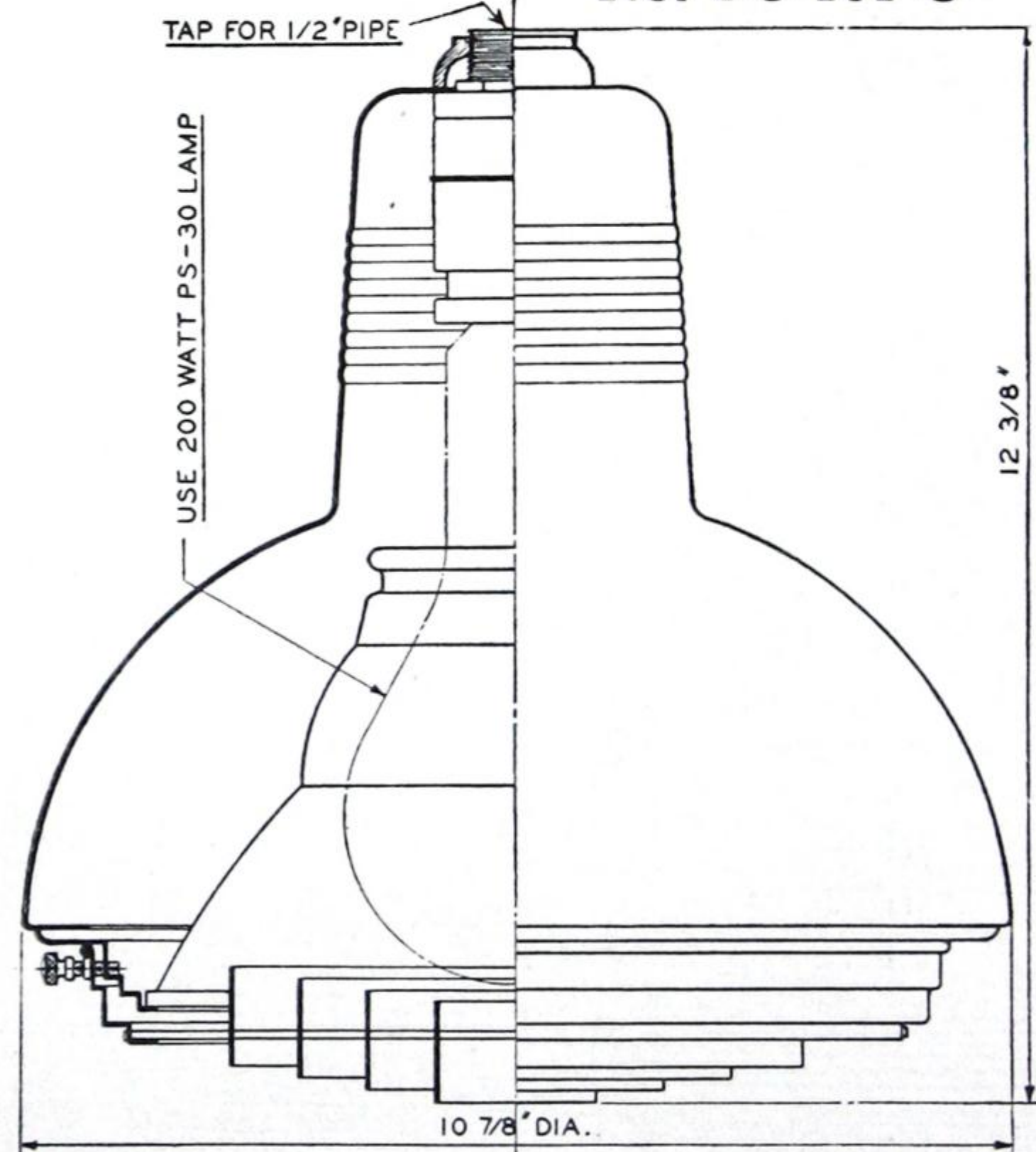
Standard Quantity—1. **Weight**, Approx. 10 lbs.
Code: No. PE-100-C..... **PEEYHUNSEE**
 Permalector Only (No. E-100)..... **EHUN**
Description—Same as No. PE-100-1A except equipped with Hinged Concentric Louver No. 1-A in place of Hinged Ceiling Roundel No. 1-A. Also available with Egg Crate louvers on special order.
Finish—Etched aluminum for shell and sprayed baked aluminum for Hinged Concentric Louver No. 1-A.
Application—For same service as PE-100-1A. The louvers are preferred in many instances. The louvers are luminous by reflected light.
Lamp Size—200 watt PS-30.

No. PC-101-1A



Standard Quantity—1. **Weight**, Approx. 10 lbs.
Code: No. PC-101-1A..... **PESEHUNONA**
 Permalector Only (No. C-101)..... **SEHUNDERUN**
 Cover Glass Only (8 3/8" Dia. Stippled)..... **RONDONEGLA**
Description—Same as for No. PE-100-1A.
Finish—Same as for No. PE-100-1A.
Application—For lighting steam tables in cafeterias, counters in stores where a very intense illumination is desired in a very limited area. Arrange units in rows over counter spaced one-third to one-half their height above counter.
Lamp Size—200 watt PS-30.

No. PC-101-C



Standard Quantity—1. **Weight**, Approx. 10 lbs.
Code: No. PC-101-C..... **PESEHUNONC**
 Permalector Only (No. C-101)..... **SEHUNDERUN**
Description—Same as PC-101-1A except equipped with Hinged Concentric Louver in place of Hinged Ceiling Roundel No. 1-A. Also available with Egg Crate louvers on special order.
Finish—Same as for No. PE-100-C.
Application—For same service as No. PC-101-1A. Light more definitely confined to narrow field and hence preferred where this feature is of importance.
Lamp Size—200 watt PS-30.

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SALES REPRESENTATIVES

BRANCH OFFICES

CHICAGO, ILL.,

R. O. Williams, Mgr., 1158 Merchandise Mart. (Superior 0970).

NEW YORK, N. Y.,

Chas. H. Goddard, Mgr., 1775 Broadway (Circle 7-7055).

FACTORY REPRESENTATIVES

ATLANTA, GA.,

M. L. Whitman, Bona Allen Building (Walnut 0978).

BALTIMORE, MD.,

W. B. Masland Co., 621 W. North Ave. (La Fayette 4544).

BOSTON, MASS.,

Detweiler-Bell Co., 25 South St. (Hancock 6191).

BUFFALO, N. Y.,

H. H. Mallon, 140 Elmwood Ave. (Lincoln 8954).

CLEVELAND, OHIO,

Handel-Davies Co., 202 Chester-Twelfth Bldg. (Main 2684).

DALLAS, TEXAS,

Geo. E. Anderson Co., Sante Fe Bldg. (7-4013).

DENVER, COLORADO,

Mark G. Mueller, 1700—16th St. (Main 1281).

DETROIT, MICHIGAN.,

J. Morris Jones, 8531 Orangelawn Ave. (Hogarth 5156).

INDIANAPOLIS, IND.,

Scott-Jagua Co., Indiana Terminal Warehouse (Riley 7825).

KANSAS CITY, MO.,

Mervin Simons, 613 Manufacturers Exchange Bldg. (Harrison 2768).

LOS ANGELES, CALIF.,

Frank E. Hastings, 810 Transportation Bldg. (Trinity 9801).

MIAMI, FLA.,

Chalmers M. White, Ingraham Bldg. (2-6771).

MINNEAPOLIS, MINN.,

Balch-Kenney Co., 1201 Third St., S. (Atlantic 5855).

NEW ORLEANS, LA.,

Southern Sellers, 918 Union St. (Raymond 1944).

PHILADELPHIA, PA.,

Hopkins Bros., Inc., 116 N. 7th St. (Lombard 8368).

RUTHERFORD, N. J.,

H. G. Otis, 131 Woodward Ave. (Rutherford 2-5767J).

SALT LAKE CITY, UTAH,

Raymond Ackerman, 318 Dooly Block (Wasatch 7282).

SAN FRANCISCO, CAL.,

H. A. Gardner, 807 Flatiron Bldg. (Garfield 1885).

SEATTLE, WASH.,

Lyman D. Morgan, 239 Securities Bldg. (Elliott 7500).

ST. LOUIS, MO.,

Wood & Anderson Co., 915 Olive St. (Garfield 2233).

WASHINGTON, D. C.,

Sam Masland, 410 Bond Building (National 3934).

CANADA

(Pittsburgh Reflector Co. of Canada, Ltd.)

Montreal: H. P. M. Carter, 102 Willowdale Ave.

Toronto: David Wilson, 32 Front St. W.

Winnipeg: Cochrane Stephenson Co., 500 Ryan Bldg.

Vancouver: Cochrane Stephenson Co., 472 Beatty St.

OTHER COUNTRIES

Mexico City: Jose Goy, Apartado Postal 2724.

Manila, P. I.: Mora Electric Co., 284 Ayala Boulevard.

Sydney, Australia: Better Lighting, Ltd., 187 Clarence St.

Pittsburgh Reflector Company
Oliver Building, Pittsburgh, Pa.



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CCA

